

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
EQUIPMENT AND PROCUREMENT DIVISION
BID INVITATION**

Bid Number: M-13-022P

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

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

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

Bid Opening Date: October 16, 2012 Time: 11:00 a.m.

Sealed bids for furnishing the commodities and/or services described below, subject to the Conditions on Page 2 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 I-30 Slide Repair (W. of Malvern), Route 30, Section 21, Hot Spring County; as per attached work list for Tract 2X - Job 061243.

To meet the requirements of Arkansas State Highway and Transportation Department 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 4.

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

Contacts for Technical Information: Robert Pooler, Property Manager (501-569-2317)

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

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 4 on page 2 of Bid Invitation. Payment will be made in accordance with Arkansas Highway & Transportation Department Standard Specifications and Applicable Special Provisions.

Bid Bond in the amount of 5% of total bid price 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 3 on page 2 of Bid Invitation.

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 3 on page 2 of Bid Invitation.

The successful bidder will be required to submit Notice of Intent (NOI) to ADEQ within 3 days after receipt of Purchase Order and to complete all work within ten (10) working days from the starting date on the NOI. Work not completed within this time frame shall result in the successful bidder being charged \$120.00 per day until work is completed.

Name, Address, Phone No. of Disposal Site: _____

Bids and Specifications are available on-line by going to the AHTD Web Site – 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.

(12-0055)
32-00/82-00

STANDARD BID CONDITIONS

M-13-022P

1. **ACCEPTANCE AND REJECTION:** The Arkansas State Highway and Transportation Department (AHTD) 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.
2. **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.
3. **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 AHTD or fails to honor their bid. 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). 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.
4. **TAXES:** The AHTD 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 AHTD as an addition thereto, and should be added to the billing to the AHTD. The AHTD 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 AHTD.
5. **"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.
6. **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.
7. **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.
8. **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.
9. **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.
10. **SAMPLES, LITERATURE, DEMONSTRATIONS:** Samples and technical literature must be provided free of any charge within 14 days of AHTD request, and free demonstrations within 30 days, unless AHTD 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 AHTD. 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.
11. **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.
12. **BACKORDERS OR DELAY IN DELIVERY:** Backorders or failure to deliver within the time required may constitute default. Vendor must give written notice to the AHTD, as soon as possible, of the reason for any delay and the expected delivery date. The AHTD has the right to extend delivery if reasons appear valid. If reason or delivery date is not acceptable, vendor is in default.
13. **DEFAULT:** All commodities furnished will be subject to inspection and acceptance by AHTD after delivery. Default in promised delivery or failure to meet specifications authorizes the AHTD 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.
14. **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).

**ARKANSAS STATE HIGHWAY
AND TRANSPORTATION DEPARTMENT**

NOTICE OF NONDISCRIMINATION

The Arkansas State Highway and Transportation (Department) complies with all civil rights provisions of federal statutes and related authorities that prohibit discrimination in programs and activities receiving federal financial assistance. Therefore the Department does not discriminate on the basis of race, sex, color, age, national origin, religion or disability, in the admission, access to and treatment in the Department's programs and activities, as well as the Department's hiring or employment practices. Complaints of alleged discrimination and inquiries regarding the Department's nondiscrimination policies may be directed to Joanna P. Nelson 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.nelson@arkansashighways.com.

This notice is available from the ADA/504/Title VI Coordinator in large print, on audiotape and in Braille.

ARKANSAS STATE HIGHWAY & TRANSPORTATION DEPARTMENT
LITTLE ROCK, ARKANSAS
EQUIPMENT & PROCUREMENT DIVISION

Bid No. M-13-022P

Page 4

BIDDER: _____

ITEM NO.	DESCRIPTION	AMOUNT
1.	Asbestos Abatement	\$_____ Square Foot
2.	Demolition	\$_____ Square Foot
3.	Foundation	\$_____ Linear Foot
4.	Foundation Slab	\$_____ Square Foot
5.	Well Closure	\$_____ Each
6.	Septic System Closure	\$_____ Each

Job 061243
I-30 Slide Repair
(W. of Malvern)
Route 30 Section 21
Hot Spring County
Tract 2 X

Bid Requirements

Bid price shall include all insurance, taxes, permits, ADEQ notifications, license, labor, equipment, and material 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 and bidders are strongly encouraged to inspect the premises prior to bidding to verify the quantity. All asbestos abatement/demolition work must be done according to the method and requirements contained in the "SPECIAL PROVISIONS", work list and job requirements which will be attached and made a part of the bid and contract.

Contractor shall comply with all state, local and federal laws associated with this work. All structures must be completely removed, including slabs, footings, foundations, private walkways, decks, basements, posts, poles, fences within Proposed Right of Way along with all debris. Determination of the extent of work necessary for complete removal of the structures is strictly the responsibility of the bidder. Basements/pools **(if applicable)** will be removed, backfilled with suitable material and left level with the surrounding area. Water wells **(if applicable)** shall have equipment removed and casing securely covered for safety. Septic tanks **(if applicable)**, when in right of way, shall be pumped empty, removed, and void backfilled with suitable material. If septic tank is outside of right of way, contractor will cut the line to tank and cap the line just beyond the right of way line. Contractor will be required to comply with the provisions of "Appendix A" (Required Contract Provisions Federal-Aid Construction Contracts) that will be attached and made a part of the bid and contract.

It is understood that 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 **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.

NOTE: CONTRACTOR MUST FILE TEN (10) DAY NOTICE WITH ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ); HOWEVER, BIDS SHOULD INCLUDE REGISTRATION FEE ON EACH PROJECT. Dumping of demolition waste materials shall be at a landfill permitted by the Arkansas Department of Environmental Quality (ADEQ) or at an un-permitted site approved by ADEQ. Contractor must call ONE CALL for location of other utilities at this job site.

In the event that utility service lines, meters, etc., are disconnected, destroyed or otherwise impaired in any way by reason of performance of this operation by the contractor, the contractor shall, at his own expense, be responsible for all replacement utility service in lieu of those affected. **Contractor must call ONE CALL for location of other utilities at this job site**

Contractor shall be required to hold a current license issued by the Arkansas Department of Environmental Quality for the removal of asbestos. For demolition, State law requires a contractor's license for jobs over \$20,000.00. Changes in the scope of work must have prior approval by the Departments Property Manager in order to be eligible for payment.

INSPECTION FLOOR PLAN

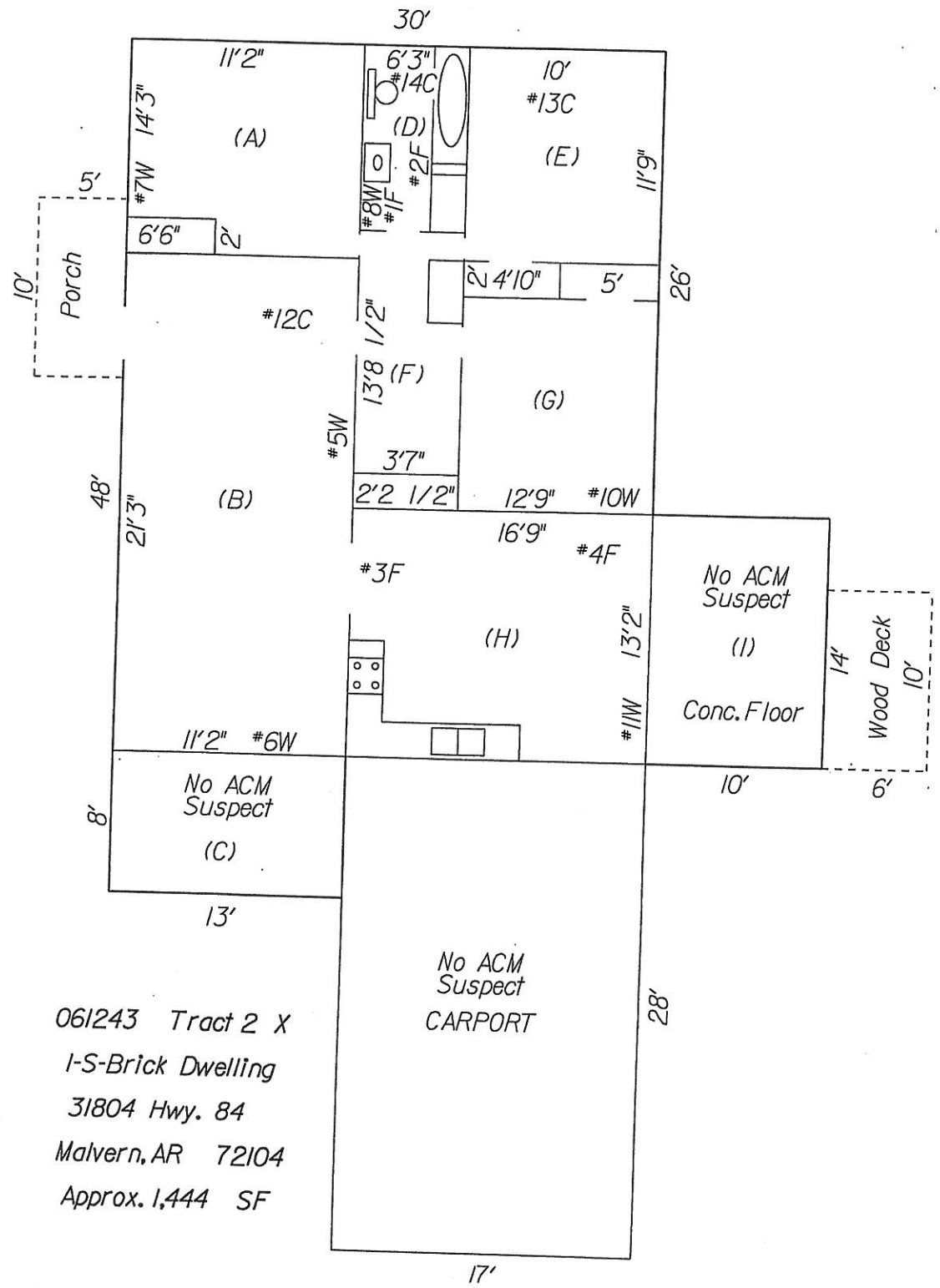
JOB: 061243
 TRACT: 2 X
 DATE: 9/6/12

PROPERTY LOCATION
 1-S-Brick Dwelling
 31804 Hwy. 84
 Malvern, AR 72104

INSPECTED BY
 Joel Clark (011518)
 Robert Pooler (014597)

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

Homogenous Areas:	
Roofing	Comp Shingle
Siding	Brick, Wood, Vinyl
Ceilings (A, B, E, F, G, H)	Textured Sheet Rock
Walls (A, B, E) (F, G, H)	Sheet Rock, Panel/Wood Textured Sheet Rock
Floors (A, B, C, E, F, G)	Carpet/Wood



061243 Tract 2 X
 1-S-Brick Dwelling
 31804 Hwy. 84
 Malvern, AR 72104
 Approx. 1,444 SF

PROPERTY MANAGEMENT
ASBESTOS ABATEMENT & DEMOLITION CONTRACT BID

Job 061243
 I-30 Slide Repair
 (W. of Malvern)
 Route 30 Section 21
 Hot Spring County
 Tract 2X

Work List and Bid Estimate

<u>Tract 2 X, 31804 Hwy 84, Malvern, AR 72104</u>	<u>Unit Price</u>	<u>Extended Price</u>
Abate Approximately:		
2,363.2 SF of Sheet Rock (All Walls)	\$ _____ /SF	\$ _____
1,050 SF of Sheet Rock Ceilings (All Ceilings)	\$ _____ /SF	\$ _____
Total Abatement Tract 2X		\$ _____
Demolition:		
2,270 SF 1-S-B & F Dwelling	\$ _____ /SF	\$ _____
100 SF Brick Shed/Well House	\$ _____ /SF	\$ _____
2,148 Concrete Block Shop w/Canopy	\$ _____ /SF	\$ _____
900 SF Concrete Slab	\$ _____ /SF	\$ _____
1,980 SF Concrete Slab	\$ _____ /SF	\$ _____
Close Septic System	\$ _____ /EA	\$ _____
Cap Well	\$ _____ /EA	\$ _____
Total Demolition Tract 2 X		\$ _____
Total Abatement & Demolition Tract 2 X		\$ _____
<u>Total Lump Sum Price of Abatement & Demolition</u>		\$ _____

Note 1: Read “Demolition” and “Job 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 slabs, footings, foundations, basements, posts, poles, decks, interior fences and all debris. Leave site in a safe and level condition.

Disclaimer:

Samples were collected from materials identified as Homogeneous Materials based upon visual inspection of the site. AHTD 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. AHTD 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. Crisp Analytical Laboratories, L.L.C. is solely responsible for all analytical results contained in and referred to in this report.

**NOTICE TO CONTRACTORS
COMPLIANCE WITH TITLE VI OF THE CIVIL RIGHTS ACT OF 1964
FOR
FEDERAL AID CONTRACTS
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 shall comply with the Regulations relative to nondiscrimination in Federally-assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

(2) Nondiscrimination: The Contractor, with regard to the work performed by it during the contract, shall 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 shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

(3) Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the contractor or work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.

(4) Information and Reports: The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Arkansas State Highway & Transportation Department or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the Arkansas State Highway & Transportation Department, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.

(5) Sanctions for Noncompliance: In the event of the contractor's non-compliance with the nondiscrimination provisions of this contract, the Arkansas State Highway & Transportation Department shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

- (a) Withholding of payments to the contractor under the contract until the contractor complies, and/or
- (b) Cancellation, termination or suspension of the contract, in whole or in part.

(6) Incorporation of Provisions: The contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the Arkansas State Highway & Transportation Department or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the Arkansas State Highway & Transportation Department to enter into such litigation to protect the interests of the State, and, litigation to protect the interests of the United States.

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
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.

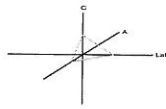
The general work procedure shall include the removal of the ACM and any associated from the designated area in the identified buildings. Estimated quantities of material to be removed and disposed of are provided in the contract. The removal of the ACM must be conducted in a containment area, which includes 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 Highway and Transportation Department 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 AHTD prior to the commencement of work for review and approval.

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.

10324 I-30, Room 705
Little Rock, AR 72209

Attn: Robert Pooler

Customer Project: Tract 2X 31804 Hwy 84 Malvern, AR 72104

Reference #: CAL12097345MV

Date: 9/12/2012

Analysis and Method

Summary of polarizing 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 stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are preformed. Calibrated liquid refractive oils are used as liquid mouting 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 conjugation 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 of 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 have trace amounts of actinolite-tremolite, where not found by PLM 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 even contain a related 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 delectable by PLM analysis and should be analyzed by TEM bulk protocols.

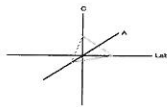
A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). 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 and the "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 a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has 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 EPA H20 TX 01402 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

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

Overview of Project Sample Material Containing Asbestos

Customer Project: Tract 2X 31804 Hwy 84 Malvern, AR 72104 **CA Labs Project #:** CAL12097345MV

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
061243 Tr. 2X #6	6-1	Area "B" Wall/ tan surfaced white compound	2% Chrysotile	tan surfaced white compound off-white compound tan surfaced tan compound
061243 Tr. 2X #8	8-2	off-white compound	3% Chrysotile	
061243 Tr. 2X #9	9-1	Area "F" Wall/ tan surfaced tan compound	2% Chrysotile	
061243 Tr. 2X #11	11-1	Area "H" Wall/ tan surfaced tan compound	3% Chrysotile	
061243 Tr. 2X #12	12-3	tan surfaced tan compound	2% Chrysotile	
061243 Tr. 2X #13	13-1	Area "E" Ceiling/ tan surfaced tan compound	2% Chrysotile	
061243 Tr. 2X #14	14-1	Area "D" Ceiling/ tan surfaced tan compound	2% Chrysotile	

Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

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

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

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

CA LabsDedicated to
Quality**Crisp Analytical, L.L.C.**1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798**CA Labs, L.L.C.**12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634**Polarized Light Asbestiform Materials Characterization****Customer Info:** Attn: Robert Pooler
Arkansas State Highway & Transportation Dept.
10324 I-30, Room 705
Little Rock, AR 72209**Customer Project:**
Tract 2X 31804 Hwy 84
Malvern, AR 72104
Turnaround Time:
2 days**CA Labs Project #:**
CAL12097345MVPhone # 501-569-2317
Fax # 501-569-2018**Date:** 9/12/2012
Samples Received: 9/10/12 10am
Date Of Sampling: 9/6/2012
Purchase Order #: 061243

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
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061243 Tr. 2X #12		12-1		Area "B" Ceiling/ tan surfaced white compound	n	None Detected		100% mi,bi,ca
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		12-2		white compound (beneath tape)	y	None Detected		100% mi,ca
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		12-3		tan surfaced tan compound	n	2% Chrysotile		98% mi,bi,ca
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		12-4		white drywall with brown paper	n	None Detected	19% ce	81% qu,gy
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061243 Tr. 2X #13		13-1		Area "E" Ceiling/ tan surfaced tan compound	n	2% Chrysotile		98% mi,bi,ca
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		13-2		white drywall with brown paper	n	None Detected	21% ce	79% qu,gy
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061243 Tr. 2X #14		14-1		Area "D" Ceiling/ tan surfaced tan compound	n	2% Chrysotile		98% mi,bi,ca
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Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for
identification of asbestos types by dispersion attaining / becke line method.

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

Approved Signatories:

Keith Malone
AnalystQAC
Leslie Crisp, P.G.Technical Manager
Chad Lytle

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

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

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Phone 225-751-5632
Fax 225-751-5634**Polarized Light Asbestiform Materials Characterization****Customer Info:** Attn: Robert Pooler
Arkansas State Highway & Transportation Dept.
10324 I-30, Room 705
Little Rock, AR 72209

Phone # 501-569-2317

Fax # 501-569-2018

Customer Project:
Tract 2X 31804 Hwy 84
Malvern, AR 72104**Turnaround Time:**
2 days**CA Labs Project #:**
CAL12097345MV**Date:** 9/12/2012**Samples Received:** 9/10/12 10am**Date Of Sampling:** 9/6/2012**Purchase Order #:** 061243

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
14-2	white drywall with brown paper	n	None Detected			23% ce	77% qu,gy	

Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

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bi - binder	ot - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

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Leslie Crisp, P.G.Technical Manager
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Tract 2X 31804 Hwy 84
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CAL12097345MVPhone # 501-569-2317
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Samples Received: 9/10/12 10am
Date Of Sampling: 9/6/2012
Purchase Order #: 061243

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
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061243 Tr. 2X #1		1-1		Area "D" Floor/ tan linoleum	y	None Detected	7% fg 18% ce	75% bi
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		1-2		tan mastic	y	None Detected		100% mi,ma
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061243 Tr. 2X #2		2-1		Area "D" Floor/ tan linoleum	y	None Detected	6% fg 21% ce	73% bi
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		2-2		tan mastic	y	None Detected		100% mi,ma
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061243 Tr. 2X #3		3-1		Area "H" Floor/ brown linoleum	y	None Detected	3% fg 22% ce	75% bi
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		3-2		tan mastic	y	None Detected		100% mi,ma
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		3-3		tan linoleum	y	None Detected	4% fg 26% ce	70% bi
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Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

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

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

Approved Signatories:

Keith Malone
AnalystQAC
Leslie Crisp, P.G.Technical Manager
Chad Lytle

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

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8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Robert Pooler
Arkansas State Highway & Transportation Dept.
10324 I-30, Room 705
Little Rock, AR 72209

Customer Project:
Tract 2X 31804 Hwy 84
Malvern, AR 72104
Turnaround Time:
2 days

CA Labs Project #:
CAL12097345MV

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

Date: 9/12/2012
Samples Received: 9/10/12 10am
Date Of Sampling: 9/6/2012
Purchase Order #: 061243

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
				<i>brown rubber tile with brown</i>				
		3-4		mesh	n	None Detected	31% ce	69% bi
061243 Tr. 2X #4				Area "H" Floor/ <i>brown</i>			5% fg	
		4-1		linoleum	y	None Detected	26% ce	69% bi
		4-2		tan mastic	y	None Detected		100% mi,ma
		4-3		tan linoleum	y	None Detected	4% fg 24% ce	72% bi
		4-4		<i>brown rubber tile with brown</i> mesh	n	None Detected	28% ce	72% bi
061243 Tr. 2X #5		5-1		Area "B" Wall/ <i>tan surfacing</i>	y	None Detected		100% bi
		5-2		<i>white drywall with brown paper</i>	n	None Detected	21% ce	79% qu,gy

Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

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

Approved Signatories:



Keith Malone
Analyst



QAC
Leslie Crisp, P.G.

Technical Manager
Chad Lytle

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Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Robert Pooler
Arkansas State Highway & Transportation Dept.
10324 I-30, Room 705
Little Rock, AR 72209

Customer Project:
Tract 2X 31804 Hwy 84
Malvern, AR 72104
Turnaround Time:
2 days

CA Labs Project #:
CAL12097345MV

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

Date: 9/12/2012
Samples Received: 9/10/12 10am
Date Of Sampling: 9/6/2012
Purchase Order #: 061243

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
061243 Tr. 2X #6		6-1		Area "B" Wall/ tan surfaced white compound	n	2% Chrysotile		98% mi,bi,ca
		6-2		white drywall with brown paper	n	None Detected	21% ce	79% qu,gy
061243 Tr. 2X #7		7-1		Area "A" Wall/ tan surfacing	y	None Detected		100% bi
		7-2		white drywall with brown paper	n	None Detected	23% ce	77% qu,gy
061243 Tr. 2X #8		8-1		Area "D" Wall/ tan mastic	y	None Detected		100% mi,ma
		8-2		off-white compound	y	3% Chrysotile		97% mi,ca
		8-3		white drywall with brown paper	n	None Detected	19% ce	81% qu,gy

Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
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or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

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QAC
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10. TEM analysis suggested

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Tract 2X 31804 Hwy 84
Malvern, AR 72104
Turnaround Time:
2 days**CA Labs Project #:**
CAL12097345MVPhone # 501-569-2317
Fax # 501-569-2018**Date:** 9/12/2012
Samples Received: 9/10/12 10am
Date Of Sampling: 9/6/2012
Purchase Order #: 061243

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
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061243 Tr. 2X #9		9-1		Area "F" Wall/ tan surfaced tan compound	n	2% Chrysotile		98% mi,bi,ca
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		9-2		white drywall with brown paper	n	None Detected	24% ce	76% qu,gy
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061243 Tr. 2X #10		10-1		Area "G" Wall/ tan surfaced white compound	n	None Detected		100% mi,bi,ca
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		10-2		white compound (beneath tape)	y	None Detected		100% mi,ca
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		10-3		white drywall with brown paper	n	None Detected	25% ce	75% qu,gy
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061243 Tr. 2X #11		11-1		Area "H" Wall/ tan surfaced tan compound	n	3% Chrysotile		97% mi,bi,ca
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		11-2		white drywall with brown paper	n	None Detected	20% ce	80% qu,gy
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Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

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9. < 1% Result point counted positive
10. TEM analysis suggested

Chain of Custody

Client Name:	AHTD	CA Labs job	CAL# 12097345
Client Address:	P.O. Box 2261 Room #705 Little Rock, AR 72203-2261	Billing Address:	(if different)
phone number:	501-569-2317 or 2318	P.O. # :	061243
fax number:		Project Name:	Tract 2X 31804 Hwy 84 Malvern, AR 72104
Send Reports to:	<u>Robert.Pooler@arkansashighways.com</u> <u>Joeld.Clark@arkansashighways.com</u>	Project Number:	061243 I-30 Slide Repair (W. of Malvern)

Total # Samples Submitted: 14	Total # Samples to be Analyzed: 14	Material Matrix: Air / Bulk / Water
---	--	---

Asbestos:
samples.

please call ahead for av

TEM	TA Time	PLM	TA Time	
<i>Circle analysis and TA time</i>		<i>Circle analysis and TA time</i>	2 hour	PC
AHERA	4 hour	Improved	4 hour	Al
EPA Level II	8 hour	Interim	8 hour	ta
Drinking Water	16 hour		16 hour	Cy
Wipe	24 hour	AHERA	24 hour	Ai
Micro-vac	2 days		2 days	Ar
NIOSH 7402	3 days	Point Count -	3 days	Bt
Chatfield Bulk	5 days	(NESHAPS)	5 days	Be

< 845
Fedex Standard

Please indicate appropriate turn around time. (minimum turnaro

Lead: *Circle analysis and TA time*

Sample Information:

Sample #:	Sample Location:	Sample Date/Time:	Sample Volume (L)
061243 Tr. 2X #1	Area "D" Floor	9/6/2012	
061243 Tr. 2X #2	Area "D" Floor	9/6/2012	
061243 Tr. 2X #3	Area "H" Floor	9/6/2012	
061243 Tr. 2X #4	Area "H" Floor	9/6/2012	
061243 Tr. 2X #5	Area "B" Wall	9/6/2012	
061243 Tr. 2X #6	Area "B" Wall	9/6/2012	
061243 Tr. 2X #7	Area "A" Wall	9/6/2012	

Custody Information:

Samples relinquished:

Robert Pooler

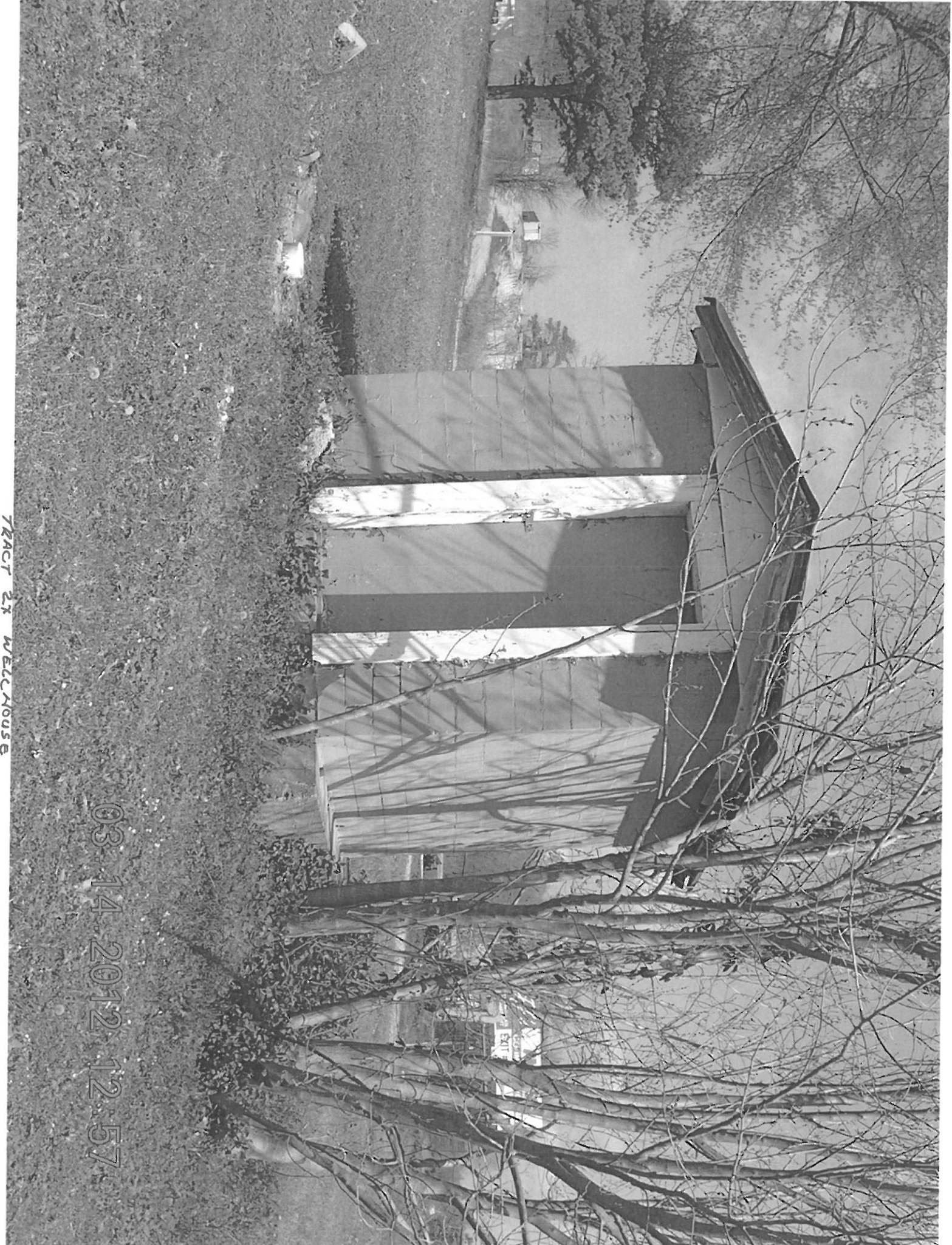
Samples received:

*NOJ 9/10/12
10am*



03.14.2012 12:57

TRACT 2X



TRACT 2X WECCHOUSE

03-14-2012 12:57



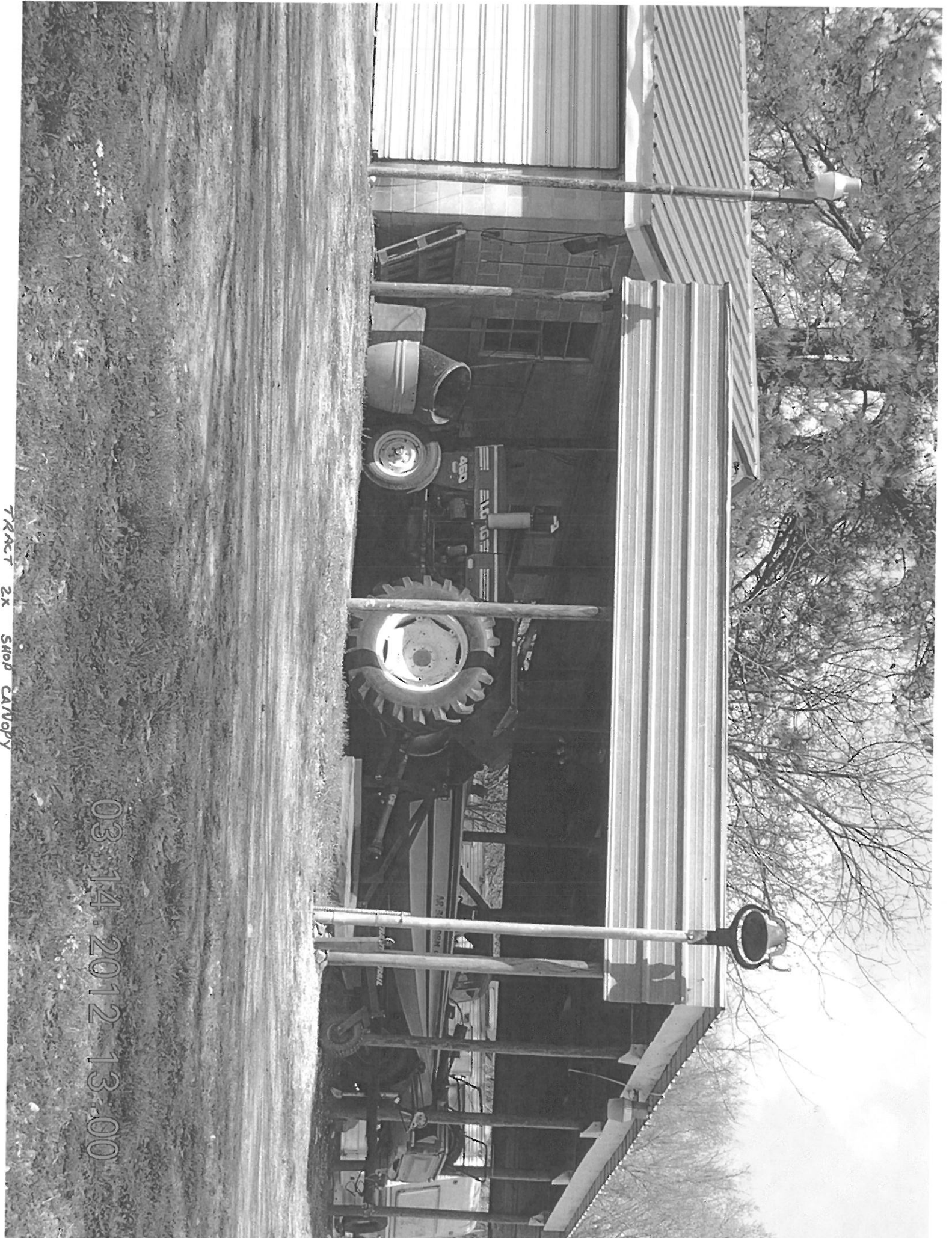
TRACT & CONC. 5498

08-14-2012 13:56



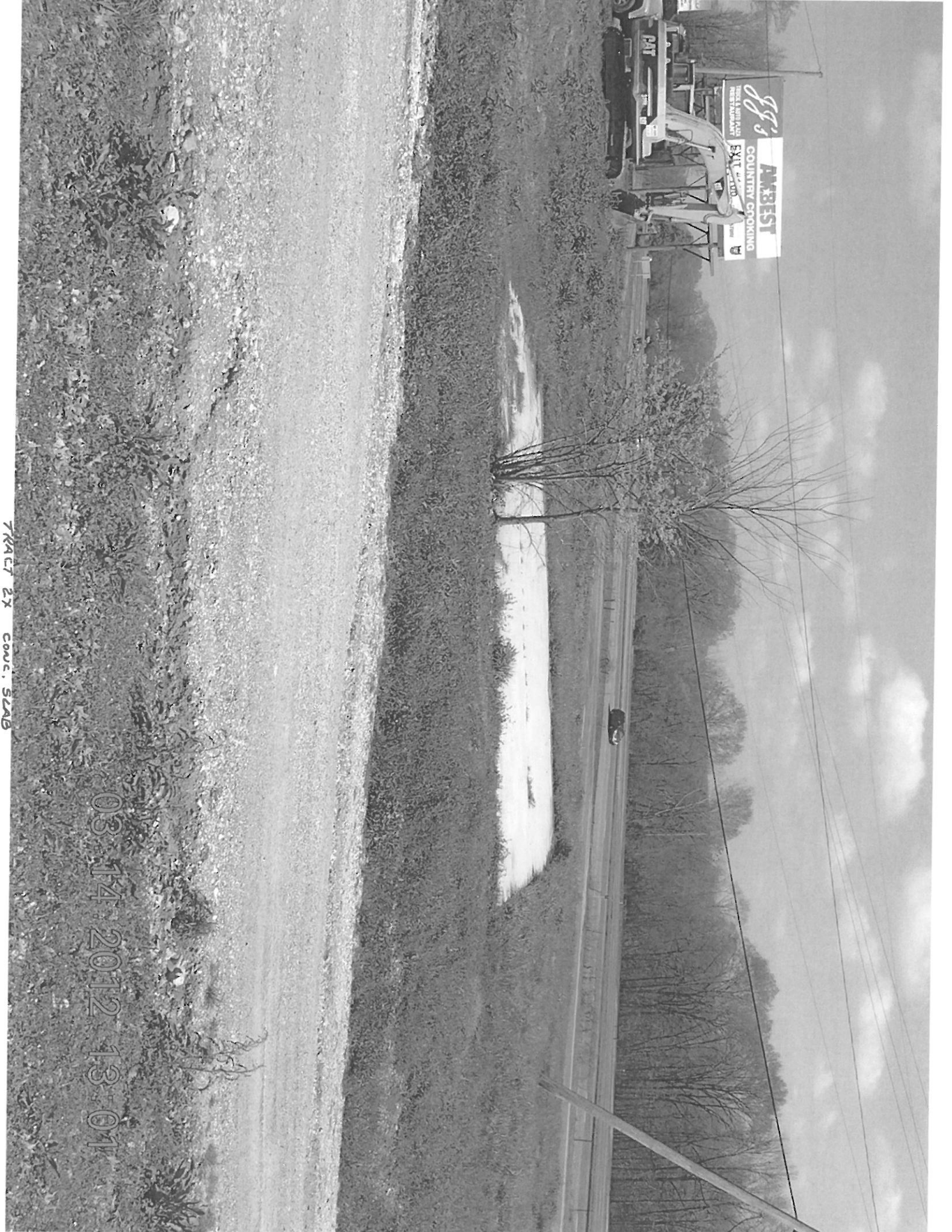
03/14/2012 12:59

TRACT ZX CONC. BLOCK SHOP W/ CANOPY



TRACTOR SHED CANOPY

03-14-2012 13:00



TRACT 2X CONC. SLAB

03-14-2012 13:01



03.14.2012 13:06

TRACT 2X COMC. SLAB ONLY (BUDG. IS GONE)

Job 061243
I-30 Slide Repair
(W. of Malvern)
Route 30 Section 21
Hot Spring County
Tract 2X

Work Site Directions

Tract 2 X, 31804 Hwy 84, Malvern, AR 72104: South of Malvern, exit I-30 at the Hwy. 84/171 exit. Turn left (in a southwesterly direction) at the Hwy. 84 & 171 intersection. Travel approximately one mile on Hwy 84 until you start into a curve to the right and there you will see the buildings on an open hillside.

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
- ▨ GRVEL 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 AHD 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
I-30 SLIDE REPAIR
(W. OF MALVERN)

HOT SPRING COUNTY
ROUTE 30 SECTION 21
JOB 061243

0 1/2 1 2 MILE

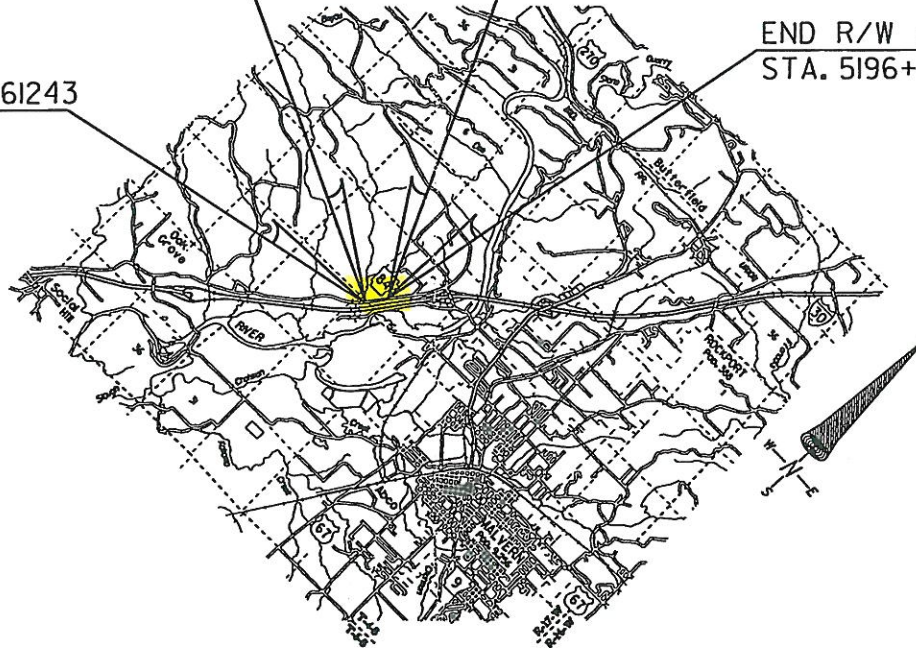
BAR SCALE

BEGIN CONST JOB 061243
STA. 5176+18.45

END CONST JOB 061243
STA. 5196+50.00

END R/W ACQ JOB 061243
STA. 5196+43.45

BEGIN R/W ACQ JOB 061243
STA. 5176+05.43



1/2012 RECEIVED: 1/18/12

INITIAL INSPECTION 3-14-12 R

061243

SEC COR
SEC 17, 18, 19 & 20

CURVE TABLE

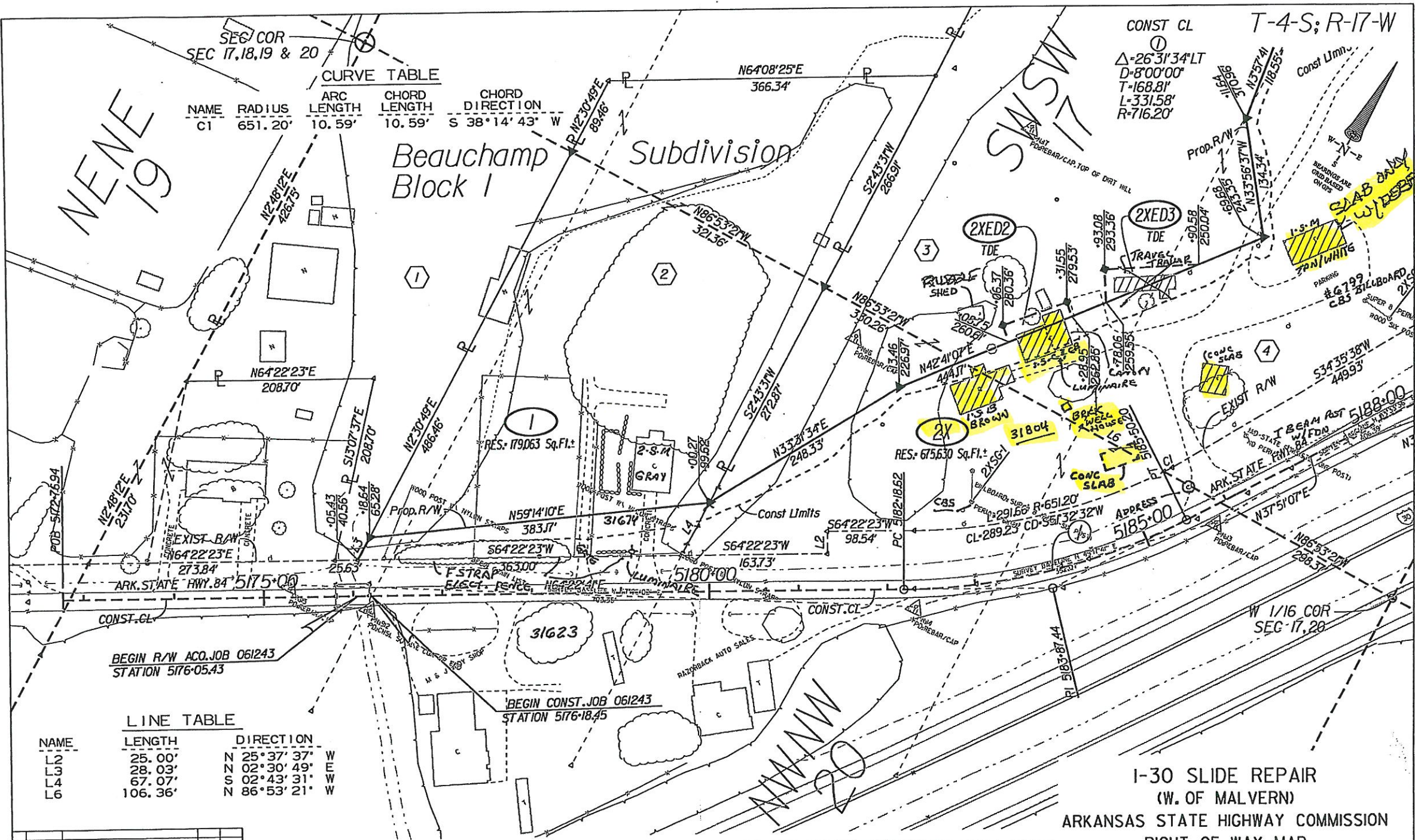
NAME	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION
C1	651.20'	10.59'	10.59'	S 38° 14' 43" W

Beauchamp
Block I
Subdivision

CONST CL T-4-S; R-17-W

①
Δ=26°31'34"LT
D=8'00'00"
T=168.81'
L=331.58'
R=716.20'

NE NE
19



LINE TABLE

NAME	LENGTH	DIRECTION
L2	25.00'	N 25° 37' 37" W
L3	28.03'	N 02° 30' 49" E
L4	67.07'	S 02° 43' 31" W
L6	106.36'	N 86° 53' 21" W

NO.	DATE	DESCRIPTION	BY	CHK'D	TRACT	OWNERSHIP	TITLE	PARCEL AREA IN ACRES	PARCEL TO ACQUIRE	AREA IN SQ. FT.	REMARKS	PAGE
3	7-17-12	REV. OWNERSHIP TR. 1	RM	FR	2X	Darrell L. & Sharon M. Hall, H/W	2	24.98	9.46	1,087,920	412,290	TCE 2XE1-0.37 ac. or 16,226 sq. ft. TDE 2XED2-0.03 ac. or 1,392 sq. ft. TDE 2XED3-0.05 ac. or 1,974 sq. ft.
2	2-07-12	REV. T.P. & RES. TR. 2X	RM	FR	1	Russell, II & Kathy Cranford, H/W	3 Rev.	4.46	0.35	194,265	15,202	2X5G-1 2X5G-2 2X5G-3
1	1-23-12	ADDED SIGN INFORMATION TR. 2X	RM	FR								

I-30 SLIDE REPAIR
(W. OF MALVERN)
ARKANSAS STATE HIGHWAY COMMISSION
RIGHT OF WAY MAP
JOB 061243 HOT SPRING COUNTY



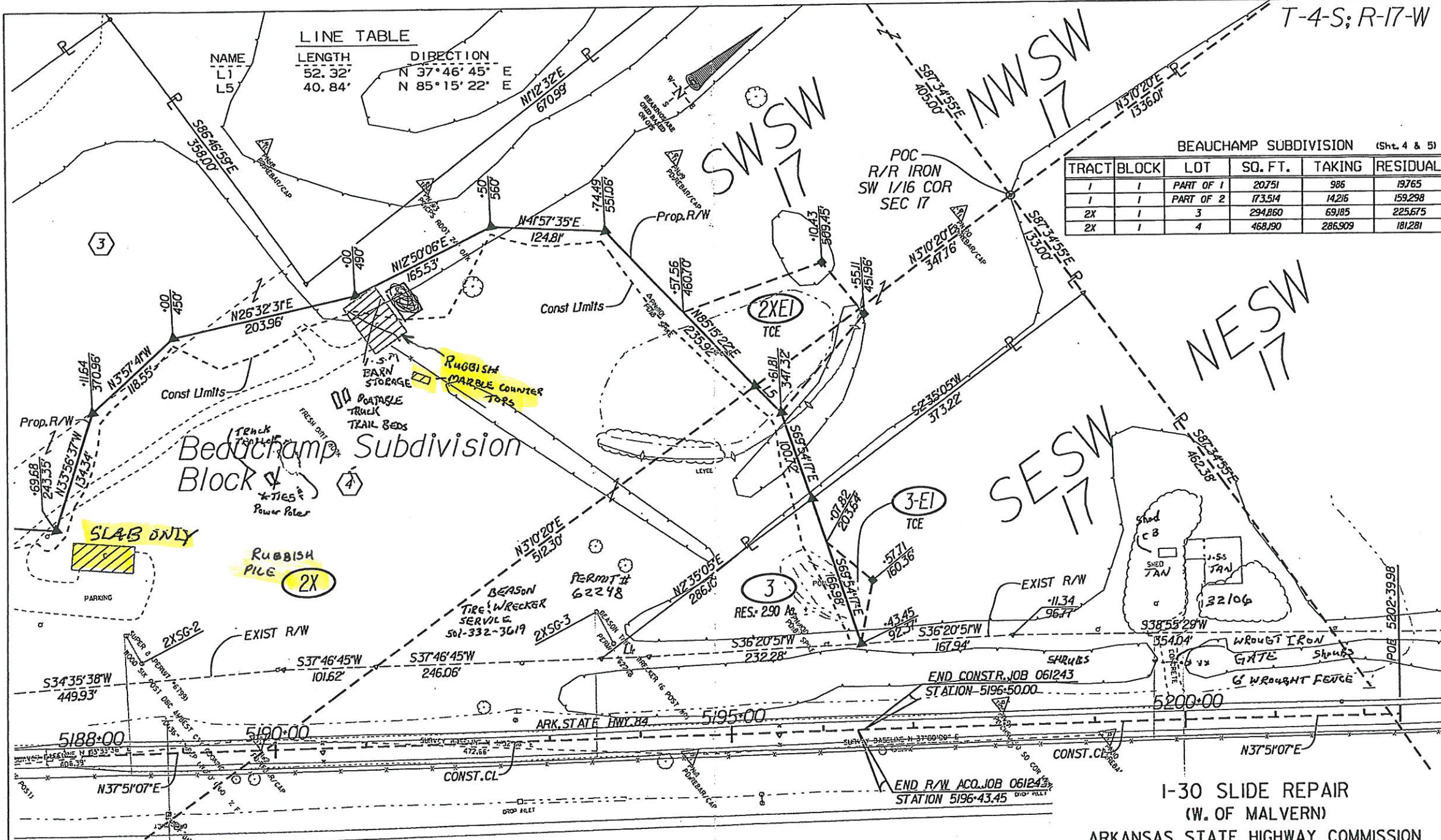
T-4-S; R-17-W

LINE TABLE

NAME	LENGTH	DIRECTION
L1	52.32'	N 37° 46' 45" E
L5	40.84'	N 85° 15' 22" E

BEAUCHAMP SUBDIVISION (Sht. 4 & 5)

TRACT	BLOCK	LOT	SQ. FT.	TAKING	RESIDUAL
1	1	PART OF 1	20751	986	19765
1	1	PART OF 2	173514	1426	159298
2X	1	3	294860	69185	225675
2X	1	4	468190	286909	181281



I-30 SLIDE REPAIR
(W. OF MALVERN)
ARKANSAS STATE HIGHWAY COMMISSION
RIGHT OF WAY MAP
JOB 061243 HOT SPRING COUNTY



NO.	DATE	DESCRIPTION	BY	CHKD.	TRACT	OWNERSHIP	TITLE	PARCEL AREA IN ACRES	TO ACQUIRE	PARCEL AREA IN SQ. FT.	TO ACQUIRE	REMARKS	PAGE
2	2-07-12	REV. T.P. TR. 2X	RM	FR									
1	1-23-12	ADDED SIGN INFORMATION TR. 2X	RM	FR	3	Hunter T. & Heather Tucker, H/W		3.43	0.53	149,320	22,932	TCE 3E1+0.05 ac. or 2,005 sq. ft.	
DESIGNED BY: R. McClarus REVIEWED BY: F. Rippard													