

**CITY OF BATON ROUGE  
PARISH OF EAST BATON ROUGE  
ON BEHALF OF THE  
GREATER BATON ROUGE METROPOLITAN AIRPORT DISTRICT**

July 1, 2020

**ADDENDUM NO. 2**

**TO: ALL BIDDERS**

**DEMOLITION OF MULTIPLE STRUCTURES FOR  
RUNWAY 13/31 SAFETY AREA AND RPZ RUNWAY IMPROVEMENTS  
LA HWY. 67 / PLANK RD. PHASE I DEMOLITION**

**BID DATE: THURSDAY, JULY 9, 2020 @ 2:00 P.M.**

The following revisions shall be incorporated in and take precedence over any conflicting part of the original Contract Documents.

**Until further notice, while the suspension of bid openings to the members of the public is in effect, public attendance at the scheduled bid opening will only be allowed via teleconference at the numbers noted below.**

**Teleconference Call-In Information for Public Access to Bid Opening while Public Bid Openings suspended:**

Join by Phone

+1 (408) 418-9388 United States Toll  
Access code: 263 373 080 (followed by the # button)

Alternate numbers to call if number above is not available, which may occur due to the network traffic (use the same Access Code, followed by the # button):

United States Toll (Boston): +1 (617) 315-0704  
United States Toll (Chicago): +1 (312) 535-8110  
United States Toll (Dallas): +1 (469) 210-7159  
United States Toll (Denver): +1 (720) 650 7664  
United States Toll (Jacksonville): +1 (904) 900-2303  
United States Toll (Los Angeles): +1 (213) 306-3065

**PRE-BID CONFERENCE DOCUMENTS**

There was an OPTIONAL Pre-Bid Conference held on Tuesday, June 16, 2020 at 2:00 PM. Attached is the Sign-In Sheet numbered AD2-8 and the Agenda numbered AD2-9 thru AD2-10.

**AIR SPACE PERMIT**

The Baton Rouge Metropolitan Airport District has received a “Determination of No Hazard to Air Navigation for Temporary Structure” finding for the use of a crane for the removal of the project structure. As a condition to this determination, the equipment is to be marked/lighted in accordance with FAA Advisory Circular 70/7460-1 L Change 2, Obstruction Marking and Lighting, Flags/Red lights Chapters 3, 4, 5 & 12.

**TECHNICAL SPECIFICATIONS**

Technical Specifications, Division I, Page i-15, 1.5 Disadvantage Business Enterprise, Second Paragraph: Delete this paragraph in its entirety and Replace with the following:

“Prompt Payment – The prime contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than fourteen (14) days from receipt of each payment the prime contractor receives from the Owner. The prime contractor agrees further to return retainage payment to each subcontractor within fourteen (14) days after the subcontractor’s work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the Owner. This clause applies to both DBE and Non-DBE subcontractors.”

Technical Specifications, Division II, Federal Specifications, General Provisions, Section 70, Legal Regulations and Responsibility to Public, Section 70-11, Responsibility for Damage Claims, Paragraph A, Commercial General Liability on an occurrence basis are modified as follows:

General Aggregate	\$5,000,000
Products – Com/OP Agg	\$5,000,000

All other limits remain as is.

Technical Specifications, Division III, Special Provisions, Section 110, Network Plan Schedule, Paragraph 110.01, Summary: Add the following Subparagraph E.

- E. Sequence of Construction: The Contractor will provide a schedule that is inclusive of demolition activities commencing first at the Jones Residence and the Quality Site in order to clear facilities prior to Roadway Contractor of the Phase I project operations commence in that area. The schedule for the sequencing of demolition must show these buildings being demolished in a timely manner to avoid potential conflicts with the Roadway Contractor that will be working in the same area. The Contractor shall provide at the Pre-Construction Meeting a Draft Project Schedule to review and discuss that will account for this sequencing. This schedule shall be provided using Primavera or Microsoft Software packages.

Technical Specifications, Section 00312, Environmental Assessment Information Available to Bidders is added to the specifications to provide the summary and disposal recommendations and requirements of the asbestos sampling completed on the sites and is included in addendum numbered AD2-11 thru AD2-65.

**CONSTRUCTION DRAWINGS**

Drawings, Sheet No. A001, Overall Site Plan Notes, Detail No. 1: Delete this detail in its entirety and Replace with the Sketch numbered AD2-66. The two storage sheds originally shown are not part of the Jones Residence property and shall remain. The Jones Residence storage sheds to be removed are now indicated on the enclosed Sketch numbered AD2-66.

**BIDDER QUESTIONS**

Q1. We would like to know what the engineer’s estimate is for the project.

A1. \$450,000.00

- Q2. The Construction Documents title is “Demolition of Multiple Structures for Runway 13/31 Safety Area and RPZ Runway Improvements LA Hwy. 67/Plant Rd. Phase I Demolition” but the Bid Bond form just has it as “Plank Rd. Rehab”, want to confirm which title the bid bond form should read before issuing?
- A2. Construction Document title is the correct project name.**
- Q3. In consideration that this project is a “Public Works” project and subject to Louisiana State Bid Law (R.S. 38:2212), I am requesting that Bidders be made aware of the Engineer’s Estimated Cost of the work.
- A3. Refer to A1 in this addendum.**
- Q4. Will Project Identification Signage be required? If Project ID Signs are required, considering that there will be three (3) jobsite locations, will the Owner/Engineer require three (3) separate signs?
- A4. One project sign will be required located at the Buzbee property facing Hooper Road.**
- Q5. With the exception of non-contaminated Construction and Demolition Debris, should Bidders base their bids on having to handle and/or dispose of any contaminated, hazardous or industrial waste, wastewater, pollutants, solvents, tires, asbestos, lead, radioactive and/or contaminated materials or soils?
- A5. Included within this addendum is the Asbestos Sampling Report performed by ACSI Environmental Consultants. As stated at the Pre-Bid Conference there is asbestos material at the Jones Residence and at two of the office buildings on the Buzbee property. It is the responsibility of the Bidders to adhere to the guidelines provided in this report for the proper removal and disposal of the asbestos containing material.**
- Q6. Has environmental testing been done on the project sites to determine that no contaminants are present?
- A6. Refer to A5 in this addendum.**
- Q7. Please provide a list of all Plan-holders/Bidders?
- A7. Project Engineer Plan Holder List included numbered AD2-67 thru AD2-68. Bidders obtaining through Bid Express are not available at this time and thus not provided.**
- Q8. The project specifications require very large limits for General Liability: (a) \$10 million for general aggregate, (b) \$10 million for products-comm/OP agg., (c) \$5 million for personal and adv. Injury, (d) \$5 million each occurrence. We have been trying for weeks to obtain quote to increase coverage to these limits and have been told by 2 different local Commercial Insurance Agents that for this type of work with these limits they cannot provide a quote. Considering that the work is taking place outside of the BTR secured perimeter fence, will the Owner consider reducing these limits to \$1 million per occurrence/\$2 Million aggregate? Or anything lower than the limits shown in the specifications?
- A8. Refer to Technical Specifications Section indicated in this addendum for modifications of limits.**
- Q9. Will there be a date when the Jones storage facilities and Buzbee buildings can be accessed before the bid?
- A9. No access will be provided but below is a brief description noted at each facility on the Buzbee property from a prior walk through. Contractor is responsible for verifying existing conditions prior to submittal of bids.**

The following description is from a site inspection completed by Architects Plus in July 2019 and is provided strictly for informational purposes for the Bidders use.

“The subject parcel noted as Buzbee property is located at 5395 Hooper Road. The site has several different structures on the property and each building can serve different uses. The site around Building 1 is currently used as a waste holding site on the eastern portion of the site. Building 1 faces south (Hooper Road) and contains a 4-bay open warehouse and office space. Open storage space was noted in the building above the office space and is accessed from a single stair located in the open warehouse. Building 1 also contains a fenced in area that contains an above ground storage tank yard and contains 6 uncovered storage tanks of varies sizes and two storage tanks located underneath a metal canopy.

Building 2 is located on the north side (behind) of Building 1 and appears to house a pump which is not currently in use. A free-standing structure (Building 5) appears to have been used as a fueling station and is located southeast of Building 1. The fueling station does not appear to be functional at the time of inspection. Building 3 is located on the southern portion of the site and faces south (Hooper Road). Building 3 is currently being used as storage. A small free-standing structure (Building 6) is located on the west side of Building 3 and serves as a restroom that is only accessible from the outside work yard.

Building 4 is located on the southwestern portion of the side and is currently vacant. The buildings’ previous use appears to be a combination of office space at the front of the building and open warehouse (storage) in the rear of the structure. Building 4 appears to have concrete paving for vehicle parking and is located between the building and Hooper Road.”

Q10. Concerning these buildings, what should be expected as far as quantity of “contents”?

**A10. Each property owner has been notified to remove all contents from their property site and the Owner anticipates having this completed prior to Notice to Proceed. Minimal contents should be left on-site by property owners.**

Q11. I am aware that Jones family is still on their property. Will they be taking all items from the storage sheds with them at move out? I saw a great deal of old tires, trash, etc. Are bidders to include this material or assume personal items to be removed by others?

**A11. Personal items are the responsibility of the property owner. Bidders are to assume there will be some miscellaneous trash and debris left over that must be removed. A new Sketch labeled AD2-66 is provided clarifying the storage sheds to be removed at Jones Residence.**

Q12. With respect to the numerous vehicles (cars, trucks, and trailer) on the Buzbee site that are located behind the metal buildings, (a) will these vehicles be removed by the Owner prior to the demolition contractor starting its work or will the demolition contractor be responsible for removing these vehicles?

**A12. Refer to A10 and A11 of this addendum.**

Q13. It was our understanding from the Project Engineer’s presentation at the Pre-Bid Conference that Bidder’s cannot have pre-bid access to the site(s) because the site(s) are occupied.

(a) Please confirm that bidders WILL NOT be permitted to access any of the interiors of any of the buildings and/or specially the Buzbee site/yard to make inspections and/or verifications of existing conditions.

(b) Immediately following the Pre-Bid Conference, we parked outside of the Buzbee site main gate and were approached by a gentleman who stated that he did part-time work at that

facility. When we asked him, what was inside of the metal building warehouses, he explained that some of the building were full of various items. There are also several notes shown on the Project Drawings that require the Contractor to remove and haul away "all contents". Considering that the haul off and disposal is a Major Expense, please answer the following questions.

- 1) If access to be buildings will not be permitted, bidders have no information to use to quantify debris disposal quantities of the contents. Will the Owner/Engineer consider incorporating a Unit Price Bid Item for debris/material removal, transportation, and disposal of the contents, other than the visible items called out on the project drawings?
- 2) If access to the buildings is not permitted, can the Owner/Engineer please provide photos of the interiors of the buildings so bidders can have some idea of what, and how much, materials and/or debris contents is located inside the buildings?
- 3) Are there any items inside of any of the buildings that the Owner wants the demolition contractor to salvage and turn over to the Owner, or Owner's designated parties?

**A13. (a) Refer to A9 in this addendum.**

**(b)(1) No**

**(b)(2) Refer to A9 in this addendum for Buzbee property description. Photos of the interior of some of the building are found within the ACSI Asbestos Sampling Report included within this addendum numbered AD2-11 thru AD2-65.**

**(b)(3) There is an existing in 10" water main located at the Quality site which must be maintained. There are no salvageable items within the Buzbee or Jones properties.**

Q14. Other than typical building concrete slab/foundation, do the buildings contain any underground/below grade improvements including, but not limited to; oil/grease pits, tanks, storage, basements, cellars, or vaults?

**A14. The Owner has not been made aware, at this time, of any of those items being onsite.**

Q15. From looking into the Buzbee site from outside the front gate/fence, it appears that there is an abundance of vegetative overgrowth, threes, weeds, etc., (particularly on the side of the drainage canal), that has encroached over the sides and rear property lines across the fence onto the site. Is it the intent of this contract to have the demolition contractor clear, remove and dispose of this vegetative matter along the perimeter fence and property line and grade these areas?

**A15. The Bidders are responsible for the clearing, removal and disposal of all vegetative growth in the areas of demolition activities and the grading of those affected areas.**

Q16. There is quite a bit of trees, bushes, and weeds growing inside to the interior of Buzbee and Jones Residence sites. Is it the intent of this contract to have the demolition contractor clear, remove and dispose of all trees, bushes and weeds within these sites?

**A16. Refer to A15 above in this addendum.**

Q17. There are several above ground storage tanks visible and shown on the project drawings.

(a) Is there any liquid, or solids, presently stored inside of these tanks? If so, please identify exactly what is in these tanks.

(b) In addition to the above ground tanks, do any of the sites contain any below ground tanks, including, but not limited to, fuel, oil, grease, septic, water, chemicals, or any other product of any type?

**A17. (a) The property owners are responsible for removal of the contents of the tanks.**

**(b) The Owner is not aware of any underground tanks within the properties.**

- Q18. Transformers – The drawings show two (2) transformers on the Buzbee site that are to be removed.
- (a) Have these transformers been tested for PCB's? If so, please provide test data. If they have not been tested, how does the Owner/Engineer want to handle the costs for testing and any special handling and/or disposal costs?
  - (b) Other than the 2 transformers at the Buzbee site, are there any other transformers scheduled for removal under this contract?
- A18. (a) and (b) Bidders are to include the costs associated with the testing, removal and disposal of all electrical equipment within the property.**
- Q19. With respect to Imported Fill and Final Grading – Sheet A-100 of the project drawings, calls for sand fill to be used to backfill building foundations and to “Match Existing Grade with New Sand Fill”.
- (a) Other than within the footprint of the buildings that are scheduled to be demolished, does the Owner/Engineer want the Contractor to import sand fill for site fill and/or grading purposes of any other areas?
  - (b) If the Owner/Engineer does want additional sand fill to be provided by the Contractor, other than within the footprint of the buildings, will they consider incorporating a Unit Price Bid Item for the Additional Sand Fill since these other unknown areas cannot be quantified?
  - (c) IF the Owner/Engineer does want additional Sand Fill to be provided by the Contractor, other than within the footprint of the buildings, can the Owner/Engineer please provide a Grading Plan?
  - (d) Does the Owner/Engineer want the limestone parking areas at the Buzbee site to be covered with Sand Fill or can they be left with existing limestone surface?
  - (e) After demolition and grading is complete, does the Owner/Engineer want the Contractor to provide grass by way of see, fertilizer, hydro-seeding or sod at any of the sites? If so, please specify which product is desired and which sites receive grassing. Will the Contractor be required to water and/or mow the site(s)?
- A19. (a) (b) (c) Bidders are responsible for bringing the areas affected by the demolition activities back to existing grade. If fill dirt is required to accomplish this the bidders should include that within their pricing.**
- (d) Existing limestone surface is to remain.**
  - (e) No additional work is required on the areas affected by the demolition activities as the roadway contractor will be commencing activities in those areas.**
- Q20. Should we include the cost of removal/disposal of all tires and debris that has been dumped/stored onsite?
- A20. Refer to A10 and A11 of this addendum and note the Sketch numbered AD2-66 clarifying the storage sheds to be demolished on the Jones Residence property.**
- Q21. Who is responsible for the disconnect of the utilities from the structures that will be demolished?
- A21. Bidders are responsible for the cost of disconnect and removal of utilities up to the property line.**
- Q22. Can we burn the trees we clear onsite?
- A22. This WILL NOT be allowed due to safety concerns in and around the airport property and air traffic.**

- Q23. Please consider adding license classification of “Highway, Street, and Bridge Construction” and also the specialty classification “Rigging, House Moving, Wrecking and Dismantling” to bid requirements.
- A23. License classification remains as stated in the Advertisement to Bid and Instructions to Bidder.**
- Q24. Which of the following applies to this contract?
- A. Page i-15, Second Paragraph under 1.5 states: “Prompt Payment – The prime contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract not later than seven days from the receipt of each payment...”.
  - B. Page ii-35, Second Paragraph under 90-06 states: “The Contractor is required to pay all subcontractor for satisfactory performance of their contracts no later than 30 days after the Contractor has received a partial payment.”
  - C. Page iii-8, Paragraph H states: “Prompt Payment – Under the DBE program, the prime contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than 14 days from receipt of each payment the prime contractor receives from BRMA.
  - D. Page i-47, Paragraph B states: Prompt Payment: Under the DBE program, the prime contractor or consultant agrees to pay each subcontractor or subconsultant under this contract for satisfactory performance of its contract prior to submitting an invoice to the BRMA for request for payment.”
- A24. Refer to Technical Specifications Section indicated in this addendum for clarification of these items.**
- Q25. Can you identify the liquid in each tank mentioned on Page 01100-1, Paragraph C under 1.4? Also, if Owner does not remove the liquid in tanks and the contractor is to provide a turn-key package about the removal of the tanks, additional pay will be provided, correct?
- A25. Refer to A17 of this addendum.**
- Q26. Are there any known contaminants such as asbestos on site? If yes, can you provide information as to location of contaminants.
- A26. Refer to Technical Specifications Section 00312 included in this addendum and A5 of this addendum.**
- Q27. There are holes in the building as a result of the removal of oil traps. These holes are full of water with a strong order of diesel. Is the environmental company on site to remedy this issue? If no, can you provide information as to how to approach this issue on the bid?
- A27. A Phase II site investigation report was completed by Compliance Consultants, Inc. dated December 2018 and no environmental problems were identified. The report is available for viewing but is not included within this addendum. Any soil disturbed by the demolition activities should be disposed of in an environmentally proper manner and costs included in Lump Sum bid.**
- Q28. It appears that there are several cars abandoned on site. If they are to be removed by contractor, who holds title/can they be legally removed?
- A28. Refer to A10, A11 and A12 of this addendum.**
- Q29. Are the tires adjacent to the Jones Residence to be removed?
- A29. Refer to new Sketch provided under Construction Drawings numbered AD2-66. These tires are located on the property adjacent to the Jones Residence and thus NOT a part of this contract.**

Baton Rouge Metro Airport - Runway 13-31 Safety Area & RPZ Improvements - Phase I - Demolition

SIGN-IN SHEET

Pre-Bid Meeting

DATE: June 16, 2020

NAME	COMPANY	ADDRESS	PHONE NO.	FAX NO.	E-MAIL
Sammy Louis (DBE)	Capital Area Const.	4710 Cherrywood St. Port Allen, LA 70767	(225) 439-9625		Capitolarea3@gmail.com
Barry Boyd	LA Wood Products	2533 AMERICAN WAY PORT ALLEN, LA	225 806 8350		LA40002533@BELL.SOUTH.NET
Sean Cullen	Mega Excavation	78263 Hwy 25 Folsom 70117	985-517-4300		Pick@megaexcavation.net
Louis Allen	Northgate Dev	8131 Grand Source Dr	225-806-3326		Nglanddev@Northgate.com
James A. Williams	Matador Int'l	7735 N. Jefferson Hwy	225-999-5287		james@matadointl.com
Bobbie Johnson	MATADOR INTL	" "	225-329-7342		Bobbie@matadointl.com
Greg Atford	OTN	-	225-223-5979		Cyford@brhpv.com
Jerry Weber	BTIZ	Airport	225 405 6260		Jw@bbore.lrgo.com
Tracy Boone	Boone Services LLC	9143 S. Thier bend Rd B.R., LA 70917	225-752-0325 225-635-3840 225-485-3344		tracy@boone-services.com
Klan Brown	Sparks Construction	1848 HATSEY AVE NO LA 70114	504-920-1012		cmksparks@hobas.com
Louis M. Badalamenti	LMB Services LLC	6 E. Third St, KEENER LA 70062			LMB@LMBSEKVICES.BIZ
Ethan Odo	Cycle Construction Co.	1296 De Lage Dr. Unit 1E Farmerville, LA 70769	504-467-1444		eoddo@cycleconstruction.com
Ted Warner	United Truck Hauling Service		225-884-1604		unitedtruckhaul@sigtek.com
Ashey Beckendorf	Voiker, Inc.	7967 office Park Blvd.	225-289-9440		ashey.beckendorf@voiker.com
Caston Isara	Vokerly Inc.	" "	" "		
Sparky Hoffmann	AMG	8383 Bluebonnet Blvd	225-588-0112		hoffmann@getechinc.com
Kentatta Sparks	SJB Group	8377 Vicinity Ave. B.R. LA 70737	225-106-5156		Kentatta.Sparks@SJBgroup.com
Konya Wallace	BTR Airport		825-355-1833 ext 377		
Raymond G. Harzler	Meyer Engineers Ltd	9430 Jackie Cochran	504-427-0864		rharzler@meyer-e-l.com
JOSEPH LEVASEZ	AMG		(225) 8684240		jlevasez@brpva.com

# PRE-BID CONFERENCE AGENDA

## Runway 13-31 Safety Area & RPZ Improvements LA 67/Plank Rd Phase I Demolition

2:00 PM Tuesday, June 16, 2020

**Meeting Location:** Airport Terminal Conference Room – First Floor

**Project Location:** Baton Rouge Metropolitan Airport

**Sponsor:** **Greater Baton Rouge Airport District**

**Sponsor's Representative:** Joseph Levraea, Program Manager, AMG  
**Phone:** 225-358-4240 **Fax:** 225-358-4261

**Design Engineer:** Meyer Engineers, Ltd. & Volkert, Inc.  
**Phone:** Volkert - 225-218-9440  
Meyer Engineers – 504-885-8892

### INTRODUCTIONS:

1. **Baton Rouge Metropolitan Airport (Owner)**
  - a. Mike Edwards, Director of Aviation
  - b. Greg Pierson, Assistant Director of Aviation
  - c. Michael Taffaro, Airport Legal Counsel
  - d. Craig Alford, Airport Operations
  - e. Jerry Webber, Construction Superintendent
2. **Program Managers (Owner's Representatives): AMG**
  - a. Joseph D. Levraea, Program Manager
  - b. Sparky Hoffman, Project Manager
3. **Designers/Architect: Volkert, Inc.**
  - a. Ray Hartley & Ashley Beckendorf, Project Managers
4. **Inspection/Testing Services:**
  - a. Senior Project Inspector – TBD
  - b. Quality Assurance Laboratory for Owner, TBD
  - c. Quality Control Laboratory – Provided by Contractor
5. **Contractors**

Self-introductions
6. **Other Representatives in Attendance**

Self-introductions

## **SPECIAL INSTRUCTIONS:**

1. DBE instructions  
Presented by Kenyatta Sparks  
SJB Group
2. Davis-Bacon Wage Rates  
Kenya Wallace, Baton Rouge Metro Airport

## **GENERAL CONTRACT REQUIREMENTS:**

1. **General Type of Work** – Construction of a new roadway for future relocation of Plank Road from Hooper Road to the existing Plank Road. Includes construction of a Portland Cement Concrete roadway with asphalt shoulders, aggregate base course, drainage structures, signing, pavement markings, and lighting. (It was noted that this was incorrect and only includes demolition of structures. Description given by Ray Hartley under 3. Project Detail.)
2. **Contract Provisions**
  - a. Plans and Specifications are available online at [www.bidexpress.com](http://www.bidexpress.com);  
Also available from:  
Meyer Engineers, Inc.  
4937 Hearst St., Suite 1B  
Metairie, LA 70001  
504-885-8892

Bid Opening  
Time & Date: 2:00 p.m., Thursday, June 25, 2020  
Location: City/Parish Purchasing Office, 8<sup>th</sup> Floor

  - b. Instructions to Bidders
  - c. Electronic Bidding
  - d. Bid Forms
  - e. Addendums, if any
  - f. Contract Forms
3. **Project Detail:**

Overview of Scope – Ray Hartley, Meyer Engineer, Ltd.

  - a. Contract Duration (150 calendar days)
  - b. Contractor Coordination with Roadway Project
  - c. Phasing as shown in plans
  - c. Project Layout/Lay down
  - d. Permitting
  - e. Airspace Requirements – 7460 Determination
4. **Questions**
  - a. Open for discussion
  - b. Please submit all questions in written email format to the Project Engineer at **Ashley.beckendorf@volkert.com** by 5:00 pm Thursday June 18, 2020. They will be reviewed and responded to in an addendum, if applicable.
5. **Pre-Bid Conference Adjourned**

SECTION 00312: ENVIRONMENTAL ASSESSMENT INFORMATION AVAILABLE TO BIDDERS

An assessment has been performed at the project site to determine the presence and probable extent of asbestos, lead-containing or hazardous materials in the existing building materials and this information is attached for informational purposes only. The environmental assessment information is not part of the contract. Asbestos abatement is part of the contract and an asbestos abatement specification is included at the end of the specification.

There is no expressed or implied guarantee as to the accuracy of the assessment data nor of the interpretation thereof. Each bidder must form his own opinion of the character of the materials which will be encountered in this work from a inspection of the site, from his own interpretation of the environmental assessment information, and from such other investigations as he may desire.

It is the bidder's responsibility to verify all materials and field conditions prior to renovation, demolition, reconstruction, alteration, remodeling, or repair that may affect the performance of their work.

Any additional samples, studies, reports, etc. that are required for bidding or construction purposes are the responsibility of the Contractor. Failure of the bidder to review any such information, his failure to properly interpret same, or his failure to undertake additional tests will not relieve him of his obligations.



**May-June 2020**

**Asbestos Sampling  
And Laboratory Analysis**

**Project Site:**

**Buzbee Properties  
Jones' Residence  
Quality Land and Investments' A-Frame**

**Prepared For:**

**Volkert, Inc.  
Attn: Ashley Beckendorf  
7967 Office Park Blvd.  
Baton Rouge, LA 70809  
225-218-9440**

**ACSI PROJECT #: C20-10-110**

**Submitted By:**

**ACSI Environmental Consultants  
4324 S. Sherwood Forest Blvd., Ste. B-180  
Baton Rouge, Louisiana  
225-291-9841**

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Various properties located  
around the Baton Rouge Airport  
Baton Rouge, LA

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**SECTION 1**  
**PROJECT SUMMARY**

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Various properties around the Baton Rouge Airport – Baton Rouge, LA

## **PROJECT SUMMARY**

(brief description of project)

ACSI Environmental Consultants was retained by Ms. Ashley Beckendorf of Volkert, Inc. of 7967 Office Park Blvd. in Baton Rouge, LA to perform asbestos inspections at several properties located around the Baton Rouge Airport. They were the Buzbee Properties located at 5253, 5385 and 5395 Hooper Road; the Jones' Residence located at 9022 Plank Road; and the Quality Land and Investments' A-Frame structure located at 5050 Robique Road. All the properties are located in Baton Rouge, LA. The purpose of the asbestos sampling was to obtain bulk samples of suspect asbestos containing building materials and have the samples analyzed using Polarized Light Microscopy (PLM) methodology.

Sample results can be identified in Sections 2, 3 and 4 of the attached report.

It is the responsibility of the abatement contractor to field verify actual quantities of known asbestos containing materials and prepare his/her pricing for the removal of the hazardous material based on their field measurements.

## **ASBESTOS SAMPLES**

Asbestos containing materials are materials or products that contain more than 1% of any kind or combination of asbestos.

Any work done with the asbestos containing materials must be performed by an Asbestos Abatement Contractor licensed with the Louisiana State Licensing Board for Contractors and the contractor's employees removing the asbestos containing materials shall be accredited by the Louisiana Department of Environmental Quality.

## **ASBESTOS CONTAINING SAMPLES**

All sample results, both asbestos and non-asbestos containing samples, and the sample locations can be identified in Sections 2, 3 and 4 of the attached report.

Of the samples collected, the following were identified to be asbestos containing:

### **A. Buzby Properties**

1. Sample #16 – Tan floor tile, which can be identified in Photo #6 resulted in 2% Chrysotile type asbestos. The black mastic attached to the floor tile resulted in 4% Chrysotile type asbestos.
2. Sample #28 – Tan linoleum, which can be identified in Photo 8, resulted in 25% Chrysotile type asbestos.

### **B. Jones Residence**

1. Sample 1 – Tan linoleum, which can be identified in Photo 1, resulted in 25% Chrysotile type asbestos.

### **C. Quality Land & Investments' A Frame**

No asbestos containing materials were found. All samples resulted in "None Detected", therefore, the building materials can be treated as construction debris (C&D).



For the aforementioned samples that contain asbestos, anywhere throughout the defined work area that contains the asbestos containing building material(s) shall be treated as such.

#### **REPORT LIMITATIONS**

The conclusion of this report is limited to those findings obtained from the available field observations and the analytical laboratory results. If suspect asbestos containing materials is identified during demolition activities, it shall be brought to the attention of the necessary parties and have the material sampled and tested for asbestos.

Penetration of architectural surfaces were not penetrated or demolished to inspect for suspect asbestos containing building materials. Such impediments may result in obscured asbestos containing materials such as pipe insulation and/or other materials hidden by sheetrock, stonework or hard plaster surfaces.

In performing these services, ACSI expended a reasonable effort to properly evaluate identified materials. Professional services were performed; findings were obtained; and recommendations are provided in accordance with generally accepted principles and practices.

#### **RECOMMENDATIONS**

Based on the observations made at the aforementioned address and results of the asbestos samples collected, ACSI makes the following recommendations:

1. The asbestos containing building materials are in fair condition at the time of the sampling. If the asbestos containing materials are in good condition & kept intact, they do not pose as a hazardous health problem.
2. To comply with the applicable regulations for regulated asbestos containing materials, these materials must be removed under abatement conditions before maintenance, demolition, repair, or renovation activities that would disturb these materials. These materials are to be disposed of at a landfill permitted to accept asbestos. The asbestos abatement contractor must remove the asbestos containing materials under abatement conditions before maintenance, demolition, repair, or renovation activities that would disturb these materials. During asbestos abatement activities, asbestos PCM air monitoring shall be performed. At the conclusion of asbestos abatement activities of a work area, a TEM final air clearance shall be conducted, depending on the size of the active contained work area.
3. The removal of the asbestos containing materials shall be designed by a Louisiana Asbestos Project Designer accredited with the Louisiana Department of Environmental Quality.
4. If any suspect materials are uncovered during renovation and/or demolition activities that has not been identified within this report, it should be presumed to be asbestos containing until samples can be collected by a LA DEQ accredited asbestos inspector, and the samples analyzed for asbestos.



## **SECTION 2**

**BUZBEE PROPERTIES  
5253, 5385 and 5395 HOOPER ROAD  
BATON ROUGE, LA**

- **ASBESTOS LINE ITEMS**
- 
- **CHAIN OF CUSTODY AND  
LABORATORY RESULTS**
- **PHOTOGRAPHIC DOCUMENTATION**

00301 - 7



Buzby Properties  
 5253, 5385, 5395 Hooper Road  
 Baton Rouge, LA

Asbestos Analysis of Bulk Material using  
 Polarized Light Microscopy Reporting Limit to <1%

SAMPLE I.D. # PHOTO #	HA#	LOCATION	DESCRIPTION OF MATERIAL	FRIABILITY F OR NF	ASBESTOS TYPE ASBESTOS %
Sample 1 Photo 2	1	East Bldg.	Window Caulking - Gray Sealant	NF	None Detected
Sample 2 Photo 2	1	East Bldg.	Window Caulking - Gray Sealant	NF	None Detected
Sample 3 Photo 2	1	East Bldg.	Window Caulking – Gray Sealant	NF	None Detected
Sample 4 Photo 3	2	East Bldg. Outside	Sheetrock and Joint Compound – Gray Surfaced Gray Paneling	F	None Detected
Sample 4 Photo 3	2	East Bldg. Outside	Sheetrock and Joint Compound – White Drywall	F	None Detected
Sample 5 Photo 3	2	East Bldg. Outside	Sheetrock and Joint Compound – Gray Surfaced Gray Paneling	F	None Detected
Sample 5 Photo 3	2	East Bldg. Outside	Sheetrock and Joint Compound – White Drywall	F	None Detected
Sample 6 Photo 3	2	East Bldg. Outside	Sheetrock and Joint Compound – Gray Surfaced Gray Paneling	F	None Detected
Sample 6 Photo 3	2	East Bldg. Outside	Sheetrock and Joint Compound – White Drywall	F	None Detected
Sample 7 Photo 3	3	East Bldg. Inside	Sheetrock and Joint Compound – White Drywall with Paper	F	None Detected
Sample 8 Photo 3	3	East Bldg. Inside	Sheetrock and Joint Compound – Gray Textured Surfacing	F	None Detected
Sample 8 Photo 3	3	East Bldg. Inside	Sheetrock and Joint Compound – White Drywall with Paper	F	None Detected
Sample 9 Photo 3	3	East Bldg. Inside	Sheetrock and Joint Compound – Gray Textured Surfacing	F	None Detected
Sample 9 Photo 3	3	East Bldg. Inside	Sheetrock and Joint Compound – White Drywall with Paper	F	None Detected

Buzby Properties  
 5253, 5385, 5395 Hooper Road  
 Baton Rouge, LA

SAMPLE I.D. # PHOTO #	HA#	LOCATION	DESCRIPTION OF MATERIAL	FRIABILITY F OR NF	ASBESTOS TYPE ASBESTOS %
Sample 10 Photo 4	4	Drum	TSI – Yellow Fibrous Insulation	F	None Detected
Sample 11 Photo 4	4	Drum	TSI – Yellow Fibrous Insulation	F	None Detected
Sample 12 Photo 4	4	Drum	TSI – Yellow Fibrous Insulation	F	None Detected
Sample 13 Photo 6	5	West Bldg. - Hall	Linoleum Flooring – Tan Linoleum	NF	None Detected
Sample 14 Photo 6	5	West Bldg. - Office	Linoleum Flooring – Tan Linoleum	NF	None Detected
Sample 15 Photo 6	5	West Bldg. - Restroom	Linoleum Flooring – Tan Linoleum	NF	None Detected
Sample 16 Photo 6	6	West Bldg. Office	12” Tan Floor Tile	NF	2% Chrysotile
Sample 16 Photo 6	6	West Bldg. Office	12” Tan Floor Tile – Black Mastic	NF	4% Chrysotile
Sample 17 Photo 6	6	West Bldg. Office	12” Tan Floor Tile	NF	Positive Stop
Sample 17 Photo 6	6	West Bldg. Office	12” Tan Floor Tile – Black Mastic	NF	Positive Stop
Sample 18 Photo 6	6	West Bldg. Office	12” Tan Floor Tile	NF	Positive Stop
Sample 18 Photo 6	6	West Bldg. Office	12” Tan Floor Tile – Black Mastic	NF	Positive Stop
Sample 19 Photo 7	7	West Bldg. Office 1	2’ x 4’ Ceiling Tile - White Surfacing	F	None Detected
Sample 19 Photo 7	7	West Bldg. Office 1	2’ x 4’ Ceiling Tile – Gray Ceiling Tile	F	None Detected
Sample 20 Photo 7	7	West Bldg. Office 2	2’ x 4’ Ceiling Tile - White Surfacing	F	None Detected



Buzby Properties  
 5253, 5385, 5395 Hooper Road  
 Baton Rouge, LA

SAMPLE I.D. # PHOTO #	HA#	LOCATION	DESCRIPTION OF MATERIAL	FRIABILITY F OR NF	ASBESTOS TYPE ASBESTOS %
Sample 20 Photo 7	7	West Bldg. Office 2	2' x 4' Ceiling Tile – Gray Ceiling Tile	F	None Detected
Sample 21 Photo 7	7	West Bldg. Office 3	2' x 4' Ceiling Tile - White Surfacing	F	None Detected
Sample 21 Photo 7	7	West Bldg. Office 3	2' x 4' Ceiling Tile – Gray Ceiling Tile	F	None Detected
Sample 22 Photo 8	8	West Bldg. Hallway	2' x 2' Ceiling Tile – White Surfacing	F	None Detected
Sample 22 Photo 8	8	West Bldg. Hallway	2' x 2' Ceiling Tile – Gray Ceiling Tile	F	None Detected
Sample 23 Photo 8	8	West Bldg. Restroom	2' x 2' Ceiling Tile – White Surfacing	F	None Detected
Sample 23 Photo 8	8	West Bldg. Restroom	2' x 2' Ceiling Tile – Gray Ceiling Tile	F	None Detected
Sample 24 Photo 8	8	West Bldg. Lobby	2' x 2' Ceiling Tile – White Surfacing	F	None Detected
Sample 24 Photo 8	8	West Bldg. Lobby	2' x 2' Ceiling Tile – Gray Ceiling Tile	F	None Detected
Sample 25 Photo N/A	9	West Bldg. Hall	Sheetrock and Joint Compound – Tan Surfaced White Compound	F	None Detected
Sample 25 Photo N/A	9	West Bldg. Hall	Sheetrock and Joint Compound – White Drywall with Paper	F	None Detected
Sample 26 Photo N/A	9	West Bldg. Office 1	Sheetrock and Joint Compound – Tan Surfaced White Compound	F	None Detected
Sample 26 Photo N/A	9	West Bldg. Office 1	Sheetrock and Joint Compound – White Drywall with Paper	F	None Detected
Sample 27 Photo N/A	9	West Bldg. Office 2	Sheetrock and Joint Compound – Tan Surfaced White Compound	F	None Detected



Buzby Properties  
 5253, 5385, 5395 Hooper Road  
 Baton Rouge, LA

SAMPLE I.D. # PHOTO #	HA#	LOCATION	DESCRIPTION OF MATERIAL	FRIABILITY F OR NF	ASBESTOS TYPE ASBESTOS %
Sample 27 Photo N/A	9	West Bldg. Office 2	Sheetrock and Joint Compound – White Drywall with Paper	F	None Detected
Sample 28 Photo 9	10	West Bldg. Office 3	Linoleum under Carpet – Tan Linoleum	NF	25% Chrysotile
Sample 29 Photo 9	10	West Bldg. Office 3	Linoleum under Carpet – Tan Linoleum	NF	Positive Stop
Sample 30 Photo 9	10	West Bldg. Office 3	Linoleum under Carpet – Tan Linoleum	NF	Positive Stop
Sample 31 Photo N/A	11	Middle Bldg.	Peg Board – Brown Paneling	NF	None Detected
Sample 32 Photo N/A	11	Middle Bldg.	Peg Board – Brown Paneling	NF	None Detected
Sample 33 Photo N/A	11	Middle Bldg.	Peg Board – Brown Paneling	NF	None Detected

**Note:**

- Asbestos samples containing greater than 1% are to be considered asbestos containing materials
- HA- = Homogenous Area



CBR20062345  
**CHAIN OF CUSTODY**

4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA. 70816

Phone: 225-291-9841 Fax: 225-291-9843

PROJECT DATA		SHIPPING DATA		LABORATORY
Project#: <i>C20-10-110</i>				Name: CA LABS
				Address: 12232 Industriplex Ste. 32
				City, State, Zip: Baton Rouge, LA 70809
Samples Shipped via: <i>Dropped off</i>				Date/Time Samples Rec'd: <i>6-3-2020 8:00</i>
Samples Collected by: <i>Wes Stearns</i>				Samples Rec'd by: <i>[Signature]</i>
Date/Time Relinquished: <i>6-2-20</i>				
SAMPLE#	SAMPLE TYPE	AIR SAMPLE VOLUME (L)	SAMPLE IDENTIFICATION	
1	<i>PLM</i>	<i>N/A</i>	<i>Window caulking</i>	
2	<i> </i>	<i> </i>	<i>"</i>	
3	<i> </i>	<i> </i>	<i>"</i>	
4	<i> </i>	<i> </i>	<i>shutters &amp; mold</i>	
5	<i> </i>	<i> </i>	<i>"</i>	
6	<i> </i>	<i> </i>	<i>"</i>	
7	<i> </i>	<i> </i>	<i>"</i>	
8	<i> </i>	<i> </i>	<i>"</i>	
9	<i> </i>	<i> </i>	<i>"</i>	
10	<i> </i>	<i> </i>	<i>TSE</i>	
11	<i> </i>	<i> </i>	<i>"</i>	
12	<i> </i>	<i> </i>	<i>"</i>	
13	<i> </i>	<i> </i>	<i>Roller painting</i>	
14	<i> </i>	<i> </i>	<i>"</i>	
15	<i> </i>	<i> </i>	<i>"</i>	
SPECIAL CONDITIONS OR COMMENTS				
Analysis: <input type="checkbox"/> TEM (Air)    Lead: <input type="checkbox"/> Air <input type="checkbox"/> Mold Air-O-Cell				
<input type="checkbox"/> PCM (Air) <input type="checkbox"/> TCLP Metals <input type="checkbox"/> Mold Agar Plate or Rodac Plate				
<input checked="" type="checkbox"/> PLM (Bulk) <input type="checkbox"/> Paint Chips <input type="checkbox"/> Mold Bulk or Swab				
<input type="checkbox"/> Wipes				
Requested Turnaround: <input type="checkbox"/> 7 Day <input checked="" type="checkbox"/> 24 Hour <input checked="" type="checkbox"/> Other _____				
<input type="checkbox"/> 3 Day <input type="checkbox"/> Same Day				
Total Number of Samples: _____				
Comments/Instructions: <i>positive step</i>				
SEND RESULTS TO: <a href="mailto:info@acsiconsultants.com">info@acsiconsultants.com</a>				



CBR20062345  
**CHAIN OF CUSTODY**

4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA. 70816  
Phone: 225-291-9841 Fax: 225-291-9843

PROJECT DATA		SHIPPING DATA		LABORATORY	
Project#: <i>C20-10-112</i>				Name: CA LABS	
				Address: 12232 Industriplex Ste. 32	
				City, State, Zip Baton Rouge, LA 70809	
Samples Shipped via: Dropped off				Date/Time Samples Rec'vd : <i>6-3-2020 8:00</i>	
Samples Collected by: <i>Wesley Williams</i>				Samples Rec'vd by: <i>[Signature]</i>	
Date/Time Relinquished: <i>6-2-20</i>					
SAMPLE#	SAMPLE TYPE	AIR SAMPLE VOLUME (L)	SAMPLE IDENTIFICATION		
<i>16</i>	<i>PLM</i>	<i>N/A</i>	<i>12" H. Tile</i>		
<i>17</i>	<i> </i>	<i> </i>	<i>"</i>		
<i>18</i>	<i> </i>	<i> </i>	<i>"</i>		
<i>19</i>	<i> </i>	<i> </i>	<i>2'x4' ceiling Tile</i>		
<i>20</i>	<i> </i>	<i> </i>	<i>"</i>		
<i>21</i>	<i> </i>	<i> </i>	<i>"</i>		
<i>22</i>	<i> </i>	<i> </i>	<i>2'x2' ceiling Tile</i>		
<i>23</i>	<i> </i>	<i> </i>	<i>"</i>		
<i>24</i>	<i> </i>	<i> </i>	<i>"</i>		
<i>25</i>	<i> </i>	<i> </i>	<i>Sheetrock &amp; mudd</i>		
<i>26</i>	<i> </i>	<i> </i>	<i>"</i>		
<i>27</i>	<i> </i>	<i> </i>	<i>"</i>		
<i>28</i>	<i> </i>	<i> </i>	<i>Roll Flooring under carpet</i>		
<i>29</i>	<i> </i>	<i> </i>	<i>"</i>		
<i>30</i>	<i> </i>	<i> </i>	<i>"</i>		
SPECIAL CONDITIONS OR COMMENTS					
Analysis: <input type="checkbox"/> TEM (Air)		Lead: <input type="checkbox"/> Air		<input type="checkbox"/> Mold Air-O-Cell	
<input type="checkbox"/> PCM (Air)		<input type="checkbox"/> TCLP Metals		<input type="checkbox"/> Mold Agar Plate or Rodac Plate	
<input checked="" type="checkbox"/> PLM (Bulk)		<input type="checkbox"/> Paint Chips		<input checked="" type="checkbox"/> Mold Bulk or Swab	
		<input type="checkbox"/> Wipes			
Requested Turnaround: <input type="checkbox"/> 7 Day		<input checked="" type="checkbox"/> 24 Hour		<input type="checkbox"/> Other _____	
<input type="checkbox"/> 3 Day		<input type="checkbox"/> Same Day			
Total Number of Samples: _____					
Comments/Instructions: <i>positive stop</i>					
SEND RESULTS TO: <a href="mailto:info@acsiconsultants.com">info@acsiconsultants.com</a>					



# CHAIN OF CUSTODY

CBR20062345

4324 S. Sherwood Forest Blvd, Ste 180

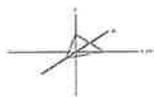
Baton Rouge, LA. 70816

Phone: 225-291-9841 Fax: 225-291-9843

PROJECT DATA		SHIPPING DATA		LABORATORY	
Project#: C20-10-110				Name: CA LABS	
				Address: 12232 Industriplex Ste. 32	
				City, State, Zip Baton Rouge, LA 70809	
Samples Shipped via: Dropped off				Date/Time Samples Rec'vd : 6-3-2020 8:00	
Samples Collected by: <i>Wes Swain</i>				Samples Rec'vd by: <i>[Signature]</i>	
Date/Time Relinquished: 6-2-20					
SAMPLE#	SAMPLE TYPE	AIR SAMPLE VOLUME (L)	SAMPLE IDENTIFICATION		
31	PLM	aka	<i>off board</i>		
32	"	"	"		
33	"	"	"		
<b>SPECIAL CONDITIONS OR COMMENTS</b>					
Analysis: <input type="checkbox"/> TEM (Air)		Lead: <input type="checkbox"/> Air		<input type="checkbox"/> Mold Air-O-Cell	
<input type="checkbox"/> PCM (Air)		<input type="checkbox"/> TCLP Metals		<input type="checkbox"/> Mold Agar Plate or Rodac Plate	
<input checked="" type="checkbox"/> PLM (Bulk)		<input checked="" type="checkbox"/> Paint Chips		<input type="checkbox"/> Mold Bulk or Swab	
		<input type="checkbox"/> Wipes			
Requested Turnaround: <input type="checkbox"/> 7 Day		<input checked="" type="checkbox"/> 24 Hour		<input type="checkbox"/> Other _____	
<input type="checkbox"/> 3 Day		<input type="checkbox"/> Same Day			
Total Number of Samples:					
Comments/Instructions: <i>positive stop</i>					
SEND RESULTS TO: <a href="mailto:info@acsiconsultants.com">info@acsiconsultants.com</a>					

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**CA Labs, L.L.C.**  
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Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634



NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## **Materials Characterization - Bulk Asbestos Analysis**

### **Laboratory Analysis Report - Polarized Light**

#### **ACSI Environmental**

4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

Attn: Karen Cadigan

Customer Project: C20-10-110  
Reference #: CBR20062345

Date: 6/3/2020

#### **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 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 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 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.

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). 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. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

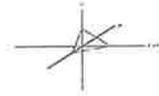
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 Baton Rouge, LA 70809  
 Phone 225-751-5632  
 Fax 225-751-5634



NVLAP #200772-0  
 TDSHS #300370  
 CDPHE #AL-18111  
 LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project:		C20-10-110		CA Labs Project #: CBR20062345	
Sample #	Layer #	Analysts	Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
16	16-1		Tan Floor Tile	2% Chrysotile	Tan Floor Tile Black Mastic Tan Linoleum
	16-2		Black Mastic	4% Chrysotile	
28	28-1		Tan Linoleum	25% Chrysotile	

**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 - wollastonite	
or - organic		ta - talc	
ma - matrix		sy - synthetic	
mi - mica		ce - cellulose	
ve - vermiculite		br - brucite	
ot - other		ka - kaolin (clay)	

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

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NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**

**CA Labs Project #:**  
CBR20062345

C20-10-110

**Date:** 6/3/2020

**Turnaround Time:** 24 hr

**Samples Received:** 6/3/2020

Phone # 225-291-9841

**Date Of Sampling:**

Fax # 225-2919843

**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1		1-1	Gray Sealant	Y	None Detected		100% qu, ma
2		2-1	Gray Sealant	Y	None Detected		100% qu, ma
3		3-1	Gray Sealant	Y	None Detected		100% qu, ma
4		4-1	Gray Surfaced Gray Paneling	N	None Detected	40% ce	60% qu, ca
		4-2	White Drywall	Y	None Detected	5% ce	95% qu, gy
5		5-1	Gray Surfaced Gray Paneling	N	None Detected	40% ce	60% qu, ca
		5-2	White Drywall	Y	None Detected	5% ce	95% qu, gy

Analysis Method: Interim (40CFR Part 763 Appendix E (o 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	lg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastinito	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby  
Analyst

Senior Analyst  
Alicia Stretz

Laboratory Director  
Chris Williams

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

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

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**CA Labs**  
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Quality

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



NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**  
C20-10-110  
**Turnaround Time:** 24 hr

**CA Labs Project #:**  
CBR20062345  
**Date:** 6/3/2020  
**Samples Received:** 6/3/2020  
**Date Of Sampling:**  
**Purchase Order #:**

Phone # 225-291-9841  
Fax # 225-2919843

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
6		6-1	Gray Surfaced Gray Paneling	N	None Detected	40% ce	60% qu, ca
		6-2	White Drywall	Y	None Detected	5% ce	95% qu, gy
7		7-1	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
8		8-1	Gray Textured Surfacing	N	None Detected		100% qu, mi, bi, ca
		8-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
9		9-1	Gray Textured Surfacing	N	None Detected		100% qu, mi, bi, ca
		9-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy

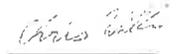
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke 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	la - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

  
David Darby  
Analyst

  
Senior Analyst  
Alicia Stretz

  
Laboratory Director  
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers  
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9. < 1% Result point counted positive  
10. TEM analysis suggested

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AD2 - 28 of 68



**Polarized Light Asbestiform Materials Characterization**

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**  
C20-10-110

**CA Labs Project #:**  
CBR20062345

**Date:** 6/3/2020

**Turnaround Time:** 24 hr

**Samples Received:** 6/3/2020

Phone # 225-291-9841  
Fax # 225-291-9843

**Date Of Sampling:**  
**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
10		10-1	Yellow Fibrous Insulation	Y	None Detected	100% fg	
11		11-1	Yellow Fibrous Insulation	Y	None Detected	100% fg	
12		12-1	Yellow Fibrous Insulation	Y	None Detected	100% fg	
13		13-1	Tan Linoleum	Y	None Detected	25% ce	75% qu, ma
14		14-1	Tan Linoleum	Y	None Detected	25% ce	75% qu, ma
15		15-1	Tan Linoleum	Y	None Detected	25% ce	75% qu, ma
16		16-1	Tan Floor Tile	Y	2% Chrysotile		98% qu, ma, ca

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  
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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:

David Darby  
Analyst

Senior Analyst  
Alicia Stretz

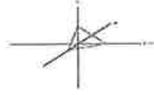
Laboratory Director  
Chris Williams

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Dedicated to  
Quality

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



NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

**Polarized Light Asbestiform Materials Characterization**

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**  
C20-10-110

**CA Labs Project #:**  
CBR20062345

**Date:** 6/3/2020

**Turnaround Time:** 24 hr

**Samples Received:** 6/3/2020

**Phone #** 225-291-9841

**Date Of Sampling:**

**Fax #** 225-2919843

**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		16-2	Black Mastic	Y	4% Chrysotile		96% qu, bi
17		17-1	Tan Floor Tile	Y	Positive Stop		
		17-2	Black Mastic	Y	Positive Stop		
18		18-1	Tan Floor Tile	Y	Positive Stop		
		18-2	Black Mastic	Y	Positive Stop		
19		19-1	White Surfacing	Y	None Detected		100% qu, bi
		19-2	Gray Ceiling Tile	Y	None Detected	15% fg 50% ce	35% qu, pe

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 / backe line method.

ca - carbonate	mi - mica	lg - 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	la - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby  
Analyst

Senior Analyst  
Alicia Stretz

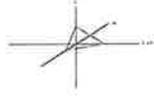
Laboratory Director  
Chris Williams

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Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634



NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**  
C20-10-110

**CA Labs Project #:**  
CBR20062345

**Date:** 6/3/2020

**Turnaround Time:** 24 hr

**Samples Received:** 6/3/2020

Phone # 225-291-9841

**Date Of Sampling:**

Fax # 225-2919843

**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-librous type / percent
20		20-1	White Surfacing	Y	None Detected		100% qu, bi
		20-2	Gray Ceiling Tile	Y	None Detected	15% fg 50% ce	35% qu, pe
21		21-1	White Surfacing	Y	None Detected		100% qu, bi
		21-2	Gray Ceiling Tile	Y	None Detected	15% fg 50% ce	35% qu, pe
22		22-1	White Surfacing	Y	None Detected		100% qu, bi
		22-2	Gray Ceiling Tile	Y	None Detected	15% fg 50% ce	35% qu, pe
23		23-1	White Surfacing	Y	None Detected		100% qu, bi

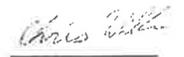
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
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ca - carbonate	mi - mica	lg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ol - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

  
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Analyst

Senior Analyst  
Alicia Stretz

  
Laboratory Director  
Chris Williams

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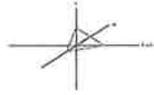
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**CA Labs, L.L.C.**  
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Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634



NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

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**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**

**CA Labs Project #:**  
CBR20062345

C20-10-110

**Date:** 6/3/2020

**Turnaround Time:** 24 hr

**Samples Received:** 6/3/2020

Phone # 225-291-9841

**Date Of Sampling:**

Fax # 225-2919843

**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
23-2	Gray Ceiling Tile			Y	None Detected	15% fg 50% ce	35% qu, pe
24	White Surfacing			Y	None Detected		100% qu, bi
24-2	Gray Ceiling Tile			Y	None Detected	15% fg 50% ce	35% qu, pe
25	Tan Surfaced White Compound			N	None Detected		100% qu, mi, bi, ca
25-2	White Drywall with Paper			N	None Detected	10% ce	90% qu, gy
26	Tan Surfaced White Compound			N	None Detected		100% qu, mi, bi, ca
26-2	White Drywall with Paper			N	None Detected	10% ce	90% qu, gy

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)
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Analyst

Senior Analyst  
Alicia Stretz

Laboratory Director  
Chris Williams

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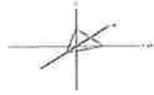
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AD2 - 32 of 68

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



NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**  
C20-10-110  
**Turnaround Time:** 24 hr

**CA Labs Project #:**  
CBR20062345

**Date:** 6/3/2020

**Samples Received:** 6/3/2020

Phone # 225-291-9841

Fax # 225-2919843

**Date Of Sampling:**

**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
27		27-1	Tan Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
		27-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
28		28-1	Tan Linoleum	Y	25% Chrysotile		75% qu, ma
29		29-1	Tan Linoleum	Y	Positive Stop		
30		30-1	Tan Linoleum	Y	Positive Stop		
31		31-1	Brown Paneling	Y	None Detected	100% ce	
32		32-1	Brown Paneling	Y	None Detected	100% ce	

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  
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or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

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Senior Analyst  
Alicia Stretz

Laboratory Director  
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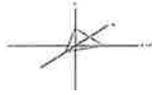
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AD2 - 33 of 68

**CA Labs**  
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12232 Industriplex, Suite 32  
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NVLAP #200772-0  
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C20-10-110

**CA Labs Project #:**  
CBR20062345

Phone # 225-291-9841  
Fax # 225-2919843

**Turnaround Time:** 24 hr

**Date:** 6/3/2020  
**Samples Received:** 6/3/2020

**Date Of Sampling:**  
**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
33		33-1	Brown Paneling		Y	None Detected	100% ce	

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
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Buzby Properties  
5253, 5385, 5395 Hooper Road  
Baton Rouge, LA

Photographic Documentation



Photo 1  
East Bldg.



Photo 2  
Window Caulking  
Samples 1, 2, 3  
HA#1



Photo 3  
Sheetrock and Joint Compound

Samples 4-9  
HA#3



Photo 4  
TSI

Samples 10, 11, 12  
HA#4

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Photographic Documentation



Photo 5  
West Bldg.



Photo 6  
Tan Linoleum and  
12" Tan Floor Tile

Samples 13-18  
HA# 5 & 6



Photo 7  
2' x 4' Ceiling Tile

Samples 19, 20, 21  
HA#7



Photo 8  
2' x 2' Ceiling Tile

Samples 22, 23, 24  
HA#8

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Buzby Properties  
5253, 5385, 5395 Hooper Road  
Baton Rouge, LA

Photographic Documentation



Photo 9  
Tan Linoleum

Samples 28, 29, 30  
HA#10



### **SECTION 3**

**JONES' RESIDENCE  
9022 PLANK ROAD  
BATON ROUGE, LA**

- **ASBESTOS LINE ITEMS**
- 
- **CHAIN OF CUSTODY AND  
LABORATORY RESULTS**
- **PHOTOGRAPHIC DOCUMENTATION**
-



Jones' Residence  
9022 Plank Road  
Baton Rouge, LA

Asbestos Analysis of Bulk Material using  
Polarized Light Microscopy Reporting Limit to <1%

SAMPLE I.D. # PHOTO #	HA#	LOCATION	DESCRIPTION OF MATERIAL	FRIABILITY F OR NF	ASBESTOS TYPE ASBESTOS %
Sample 1 Photo 1	1	Wash Room	Rolled Flooring – Tan Linoleum	NF	25% Chrysotile
Sample 1 Photo 1	1	Wash Room	Rolled Flooring – Yellow Mastic	NF	*
Sample 2 Photo 1	1	Kitchen	Rolled Flooring – Tan Linoleum	NF	Positive Stop
Sample 3 Photo 1	1	Dining Room	Rolled Flooring – Tan Felt	NF	Positive Stop
Sample 3 Photo 1	1	Dining Room	Rolled Flooring – Yellow Mastic	NF	*
Sample 3 Photo 1	1	Dining Room	Rolled Flooring – White Leveling Plaster	NF	None Detected
Sample 4 Photo 2	2	Wash Room	Sheetrock and Joint Compound – White Surfaced White Compound	F	None Detected
Sample 4 Photo 2	2	Wash Room	Sheetrock and Joint Compound – White Drywall with Paper	F	None Detected
Sample 5 Photo 2	2	Bedroom	Sheetrock and Joint Compound – White Surfaced White Compound	F	None Detected
Sample 5 Photo 2	2	Bedroom	Sheetrock and Joint Compound – White Drywall with Paper	F	None Detected
Sample 6 Photo 2	2	Kitchen	Sheetrock and Joint Compound – White Surfaced White Compound	F	None Detected
Sample 6 Photo 2	2	Kitchen	Sheetrock and Joint Compound – White Drywall with Paper	F	None Detected
Sample 7 Photo 3	3	Wash Room	Popcorn Ceiling – White Textured Surfacing	F	None Detected
Sample 8 Photo 3	3	Bathroom	Popcorn Ceiling – White Textured Surfacing	F	None Detected

Jones' Residence  
9022 Plank Road  
Baton Rouge, LA

SAMPLE I.D. # PHOTO #	HA#	LOCATION	DESCRIPTION OF MATERIAL	FRIABILITY F OR NF	ASBESTOS TYPE ASBESTOS %
Sample 9 Photo 3	3	Kitchen	Popcorn Ceiling – White Debris	F	None Detected
Sample 10 Photo 4	4	Exterior	Roofing – Black Shingle with Gray Gravel	NF	None Detected
Sample 11 Photo 4	4	Exterior	Roofing – Black Shingle with Gray Gravel	NF	None Detected
Sample 12 Photo 4	4	Exterior	Roofing – Black Shingle with Gray Gravel	NF	None Detected
Sample 13 Photo 5	5	Outside Bldg.	Pegboard – Brown Fiber Board	NF	None Detected
Sample 14 Photo 5	5	Outside Bldg.	Pegboard – Brown Fiber Board	NF	None Detected
Sample 15 Photo 5	5	Outside Bldg.	Pegboard – Brown Fiber Board	NF	None Detected

**Note:**

- Asbestos samples containing greater than 1% are to be considered asbestos containing materials
- HA- = Homogenous Area

\* Layer not analyzed – attached to previous positive layer and contamination is suspect.



# CHAIN OF CUSTODY

4324 S. Sherwood Forest Blvd, Ste 180  
 Baton Rouge, LA. 70816  
 Phone: 225-291-9841 Fax: 225-291-9843

*CBR20052010*

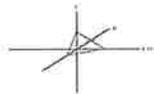
PROJECT DATA	SHIPPING DATA	LABORATORY
Project#: <i>C20-10-110</i>		Name: CA Labs
		Address: 12232 Industriplex Ste. 32
		City, State, Zip: Baton Rouge, LA, 70809
Samples Shipped via: <i>Hand</i>		Date/Time Samples Rec'vd: <i>5/15/20 8:00AM</i>
Samples Collected by: <i>WGS Jenkins</i>		Samples Rec'vd by: <i>Jennifer Waters</i>
Date/Time Relinquished: <i>5-14-20</i>		

SAMPLE#	SAMPLE TYPE	AIR SAMPLE VOLUME (L)	SAMPLE IDENTIFICATION
1	<i>PLM</i>	<i>N/A</i>	<i>Ball Floor</i>
2	<i>↓</i>	<i>↓</i>	<i>" "</i>
3	<i>↓</i>	<i>↓</i>	<i>" "</i>
4	<i>↓</i>	<i>↓</i>	<i>chair rock &amp; mud</i>
5	<i>↓</i>	<i>↓</i>	<i>" "</i>
6	<i>↓</i>	<i>↓</i>	<i>" "</i>
7	<i>↓</i>	<i>↓</i>	<i>popcorn ceiling</i>
8	<i>↓</i>	<i>↓</i>	<i>" "</i>
9	<i>↓</i>	<i>↓</i>	<i>" "</i>
10	<i>↓</i>	<i>↓</i>	<i>Roofing</i>
11	<i>↓</i>	<i>↓</i>	<i>" "</i>
12	<i>↓</i>	<i>↓</i>	<i>" "</i>
13	<i>↓</i>	<i>↓</i>	<i>pop board</i>
14	<i>↓</i>	<i>↓</i>	<i>" "</i>
15	<i>↓</i>	<i>↓</i>	<i>" "</i>

SPECIAL CONDITIONS OR COMMENTS			
Asbestos:	<input type="checkbox"/> TEM (Air)	Lead:	<input type="checkbox"/> Air
	<input type="checkbox"/> PCM (Air)		<input type="checkbox"/> Mold Air-O-Cell
	<input checked="" type="checkbox"/> PLM (Bulk)		<input type="checkbox"/> TCLP Metals
	<input type="checkbox"/> Wipes		<input type="checkbox"/> Paint Chips
			<input type="checkbox"/> Mold Agar Plate or Rodac Plate
			<input type="checkbox"/> Mold Bulk or Swab
Requested Turnaround:	<input type="checkbox"/> 7 Day	<input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> Other _____
	<input type="checkbox"/> 3 Day	<input type="checkbox"/> Same Day	
Total Number of Samples:	<i>15</i>		
Comments/Instructions:	<i>POSITIVE SEAP</i>		
SEND RESULTS TO:	<a href="mailto:info@acsiconsultants.com">info@acsiconsultants.com</a>		

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12232 Industriplex, Suite 32  
Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634



NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## **Materials Characterization - Bulk Asbestos Analysis**

### **Laboratory Analysis Report - Polarized Light**

#### **ACSI Environmental**

4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

Attn: Karen Cadigan

Customer Project: C20-10-110  
Reference #: CBR20052010

Date: 5/16/2020

#### **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 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 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 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.

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). 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. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

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 Fax 225-751-5634



**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

Overview of Project Sample Material Containing Asbestos

Customer Project:		C20-10-110			CA Labs Project #:	CBR20052010
Sample #	Layer #	Analysts	Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types	
1	1-1		Tan Linoleum	25% Chrysotile	Tan Linoleum	

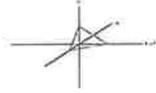
**Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):**

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)	

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NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**

C20-10-110

**Turnaround Time:** 24 hr

**CA Labs Project #:**  
CBR20052010

**Date:** 5/16/2020

**Samples Received:** 5/15/2020

Phone # 225-291-9841

Fax # 225-2919843

**Date Of Sampling:**

**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1		1-1	Tan Linoleum	Y	25% <i>Chrysotile</i>		75% qu, ma
		4	1-2 Yellow Mastic	Y			
2		2-1	Tan Linoleum	Y	Positive Stop		
3		3-1	Tan Felt	Y	Positive Stop		
		4	3-2 Yellow Mastic	Y			
			3-3 White Leveling Plaster	Y	None Detected		100% qu, ma, ca
4		4-1	White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca

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

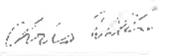
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

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:

  
Zo Andriampenomanana  
Analyst

Senior Analyst  
Alicia Stretz

  
Laboratory Director  
Chris Williams

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

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

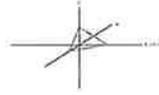
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NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

**Polarized Light Asbestiform Materials Characterization**

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**  
C20-10-110

**CA Labs Project #:**  
CBR20052010

**Date:** 5/16/2020

**Turnaround Time:** 24 hr

**Samples Received:** 5/15/2020

Phone # 225-291-9841

Fax # 225-2919843

**Date Of Sampling:**

**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		4-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
5		5-1	White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
		5-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
6		6-1	White Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
		6-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
7		7-1	White Textured Surfacing	N	None Detected		100% qu, mi, bi, ca, ot
8		8-1	White Textured Surfacing	N	None Detected		100% qu, mi, bi, ca, ot

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	ol - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	la - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Zo Andriampenomanana  
Analyst

Senior Analyst  
Alicia Strelz

Laboratory Director  
Chris Williams

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

6. Anthophyllite in association with Fibrous Talc  
7. Contamination suspected from other building materials  
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9. < 1% Result point counted positive  
10. TEM analysis suggested

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NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**  
C20-10-110

**CA Labs Project #:**  
CBR20052010

**Date:** 5/16/2020

**Turnaround Time:** 24 hr

**Samples Received:** 5/15/2020

Phone # 225-291-9841

**Date Of Sampling:**

Fax # 225-2919843

**Purchase Order #:**

Sample #	Com ment	Layer #	Analysis Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
9		9-1	White Debris	N	<b>None Detected</b>		100% qu, mi, bi, ca, ot
10		10-1	Black Shingle with Gray Gravel	N	<b>None Detected</b>	15% fg	85% qu, bi
11		11-1	Black Shingle with Gray Gravel	N	<b>None Detected</b>	15% fg	85% qu, bi
12		12-1	Black Shingle with Gray Gravel	N	<b>None Detected</b>	15% fg	85% qu, bi
13		13-1	Brown Fiber Board	Y	<b>None Detected</b>	100% ce	
14		14-1	Brown Fiber Board	Y	<b>None Detected</b>	100% ce	
15		15-1	Brown Fiber Board	Y	<b>None Detected</b>	100% ce	

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	cc - 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:

  
Zo Andriampenomanana  
Analyst

  
Senior Analyst  
Alicia Stretz

  
Laboratory Director  
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Jones' Residence  
9022 Plank Road  
Baton Rouge, LA

Photographic Documentation



Photo 1  
Rolled Flooring

Samples 1, 2, 3  
HA#1



Photo 2  
Sheetrock and Joint Compound

Samples 4, 5, 6  
HA#2

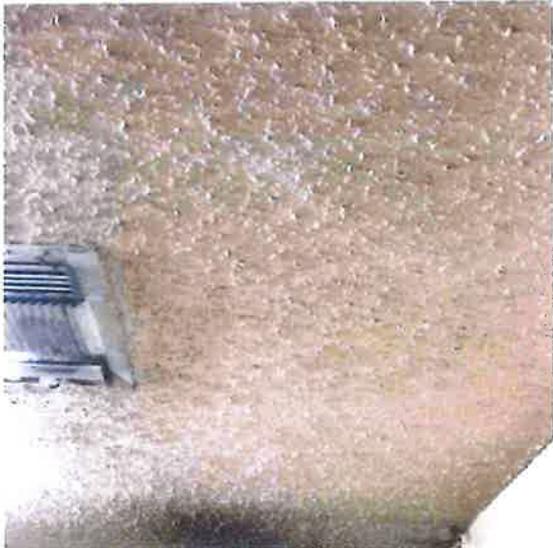


Photo 3  
Popcorn Ceiling

Samples 7, 8, 9  
HA#3



Photo 4  
Roofing

Samples 10, 11, 12  
HA#4



Jones' Residence  
9022 Plank Road  
Baton Rouge, LA

Photographic Documentation

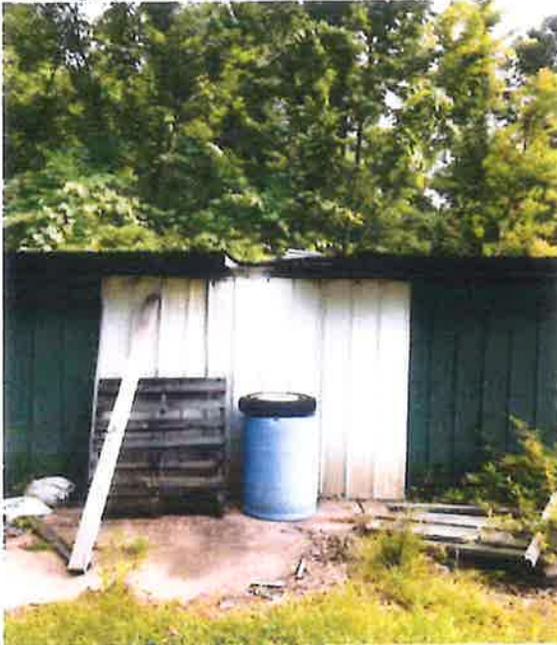


Photo 5  
Pegboard

Samples 11, 12, 13  
HA#5



Photo 6  
Shed



## **SECTION 4**

### **QUALITY LAND & INVESTMENTS A-FRAME 5050 ROBIQUE ROAD BATON ROUGE, LA**

- **ASBESTOS LINE ITEMS**
- **CHAIN OF CUSTODY AND  
LABORATORY RESULTS**
- **PHOTOGRAPHIC DOCUMENTATION**

A-Frame Structure  
5050 Robique Road  
Baton Rouge, LA

**Asbestos Analysis of Bulk Material using  
Polarized Light Microscopy Reporting Limit to <1%**

SAMPLE I.D. # PHOTO #	HA#	LOCATION	DESCRIPTION OF MATERIAL	FRIABILITY F OR NF	ASBESTOS TYPE ASBESTOS %
Sample 1 Photo 1	1	Exterior	Roofing – Black Shingle with Tan Gravel	NF	None Detected
Sample 1 Photo 1	1	Exterior	Roofing – Black Shingle with Black Gravel	NF	None Detected
Sample 2 Photo 1	1	Exterior	Roofing – Black Shingle with Black Gravel	NF	None Detected
Sample 2 Photo 1	1	Exterior	Roofing – Black Felt	NF	None Detected
Sample 3 Photo 1	1	Exterior	Roofing – Black Shingle with Tan Gravel	NF	None Detected
Sample 4 Photo 2	2	Interior Upstairs	Spay On Insulation – White Textured Surfacing	F	None Detected
Sample 5 Photo 2	2	Interior Downstairs	Spay On Insulation – White Textured Surfacing	F	None Detected
Sample 6 Photo 2	2	Interior Upstairs	Spay On Insulation – White Textured Surfacing	F	None Detected
Sample 7 Photo 3	3	Interior Downstairs	Linoleum - Gray	NF	None Detected
Sample 7 Photo 3	3	Interior Downstairs	Linoleum – Yellow Mastic	NF	
Sample 8 Photo 3	3	Interior Downstairs	Linoleum - Gray	NF	None Detected
Sample 8 Photo 3	3	Interior Downstairs	Linoleum – Yellow Mastic	NF	None Detected
Sample 9 Photo 3	3	Interior Downstairs	Linoleum - Gray	NF	None Detected

**Note:**

- Asbestos samples containing greater than 1% are to be considered asbestos containing materials
- HA- = Homogenous Area



# CHAIN OF CUSTODY

4324 S. Sherwood Forest Blvd, Ste 180

Baton Rouge, LA. 70816

Phone: 225-291-9841 Fax: 225-291-9843

*CBR20052223*

PROJECT DATA	SHIPPING DATA	LABORATORY
Project#: <i>C70-10-110</i>		Name: CA Labs
		Address: 12232 Industriplex Ste. 32
		City, State, Zip: Baton Rouge, LA 70809
Samples Shipped via: <i>HAND</i>		Date/Time Samples Rec'vd: <i>5/28/20 8:00AM</i>
Samples Collected by: <i>Wes Jamin</i>		Samples Rec'vd by: <i>Jennifer Waters</i>
Date/Time Relinquished: <i>5-27-20</i>		

SAMPLE#	SAMPLE TYPE	AIR SAMPLE VOLUME (L)	SAMPLE IDENTIFICATION
1	<i>Phm</i>	<i>N/A</i>	<i>Roofing &amp; PATE</i>
2	<i>↓</i>	<i>↓</i>	"
3			"
4			<i>SPRAY ON INSULATION</i>
5			"
6			"
7			<i>Roll flooring</i>
8			"
9			"
10			"

**SPECIAL CONDITIONS OR COMMENTS**

Asbestos:  TEM (Air)      Lead:  Air       Mold Air-O-Cell  
 PCM (Air)       TCLP Metals       Mold Agar Plate or Rodac Plate  
 PLM (Bulk)       Paint Chips       Mold Bulk or Swab  
 Wipes       Wipes

Requested Turnaround:  7 Day       24 Hour       Other \_\_\_\_\_  
 3 Day       Same Day

Total Number of Samples: *Positive / 5720*

Comments/Instructions:

SEND RESULTS TO: [info@acsiconsultants.com](mailto:info@acsiconsultants.com)

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12232 Industriplex, Suite 32  
Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634



NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Materials Characterization - Bulk Asbestos Analysis

### Laboratory Analysis Report - Polarized Light

#### ACSI Environmental

4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

Attn: Karen Cadigan

Customer Project: C20-10-110  
Reference #: CBR20052223

Date: 5/28/2020

#### 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 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 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 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.

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). 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. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

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**NVLAP #200772-0**  
**TDSHS #300370**  
**CDPHE #AL-18111**  
**LELAP #03069**

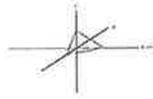
Overview of Project Sample Material Containing Asbestos

Customer Project:		C20-10-110		CA Labs Project #:	CBR20052223
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types	
10	10-1	No Sample Submitted			

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

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

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## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**  
C20-10-110

**CA Labs Project #:**  
CBR20052223

Phone # 225-291-9841  
Fax # 225-2919843

**Turnaround Time:** 24 hr

**Date:** 5/28/2020  
**Samples Received:** 5/28/2020

**Date Of Sampling:**  
**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1		1-1		Black Shingle with Tan Gravel	Y	None Detected	15% fg	85% qu, bi
		1-2		Black Shingle with Black Gravel	Y	None Detected	15% fg	85% qu, bi
2		2-1		Black Shingle with Black Gravel	Y	None Detected	15% fg	85% qu, bi
		2-2		Black Felt	Y	None Detected	40% ce	60% qu, bi
3		3-1		Black Shingle with Tan Gravel	Y	None Detected	15% fg	85% qu, bi
4		4-1		White Textured Surfacing	N	None Detected	20% ce	80% qu, ma, bi
5		5-1		White Textured Surfacing	N	None Detected	20% ce	80% qu, ma, bi

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:

Sidney Pinkerton  
Analyst

Senior Analyst  
Alicia Stretz

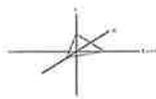
Laboratory Director  
Chris Williams

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

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

**CA Labs**  
Dedicated to  
Quality

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



NVLAP #200772-0  
TDSHS #300370  
CDPHE #AL-18111  
LELAP #03069

## Polarized Light Asbestiform Materials Characterization

**Customer Info:** Attn: Karen Cadigan  
**ACSI Environmental**  
4324 S. Sherwood Forest Blvd, Ste 180  
Baton Rouge, LA 70816

**Customer Project:**  
C20-10-110

**CA Labs Project #:**  
CBR20052223

**Date:** 5/28/2020

**Turnaround Time:** 24 hr

**Samples Received:** 5/28/2020

Phone # 225-291-9841

**Date Of Sampling:**

Fax # 225-2919843

**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
6		6-1	White Textured Surfacing	N	<b>None Detected</b>	20% ce	80% qu, ma, bi
7		7-1	Gray Linoleum	Y	<b>None Detected</b>	10% ce	90% qu, ma
		7-2	Yellow Mastic	Y	<b>None Detected</b>		100% qu, bi
8		8-1	Gray Linoleum	Y	<b>None Detected</b>	10% ce	90% qu, ma
		8-2	Yellow Mastic	Y	<b>None Detected</b>		100% qu, bi
9		9-1	Gray Linoleum	Y	<b>None Detected</b>	10% ce	90% qu, ma
10		10-1	No Sample Submitted				

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 staining / 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	la - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

\_\_\_\_\_  
Sidney Pinkerton  
Analyst

\_\_\_\_\_  
Senior Analyst  
Alicia Stretz

\_\_\_\_\_  
Laboratory Director  
Chris Williams

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

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

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Page 4 of 4

AD2 - 55 of 68

A-Frame Structure  
5050 Robique Road  
Baton Rouge, LA

Photographic Documentation



Photo 1  
Roofing

Samples 1, 2, 3  
HA#1



Photo 2  
Spray on Insulation

Samples 4, 5, 6  
HA#2



Photo 3  
Linoleum Flooring

Samples 7, 8, 9  
HA#3

00301 - 46

**SECTION 5**  
**CERTIFICATIONS**

00301 - 47

AD2 - 57 of 68

STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

*Wesley Jennings*

Has complied with all requirements of the Louisiana Department of Environmental Quality  
and is authorized to perform the duties of

Asbestos Inspector

Accreditation No. DI095325

AI No. 95325

Date of Issuance December 20, 2019

Expiration December 21, 2020

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)  
may result in civil and/or criminal enforcement actions by the State.

*Paul Bergeron*  
Permit Support Services Division  
Office of Environmental Services

**STATE OF LOUISIANA**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**

certifies that

*Denzel Johnson*

Has complied with all requirements of the Louisiana Department of Environmental Quality  
and is authorized to perform the duties of

Asbestos Contractor/Supervisor

Accreditation No. MS190882

AI No. 190882

Date of Issuance April 29, 2020

Expiration March 21, 2021

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)  
may result in civil and/or criminal enforcement actions by the State.

  
\_\_\_\_\_  
Permit Support Services Division  
Office of Environmental Services

JOHN BEL EDWARDS  
GOVERNOR



CHUCK CARR BROWN, PH.D.  
SECRETARY

State of Louisiana  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

**Read Receipt Requested**

**AI No. 165918**  
**Activity No. ACC20190001**  
**LELAP Lab ID # 03069**  
**Accreditation Year FY 2020**  
**Renewal due FY 2022**

Mr. Christopher Williams  
CA Laboratories LLC  
12232 Industriplex Blvd Ste 32  
Baton Rouge, Louisiana 70809

Re: Annual Scope of Accreditation

Dear Mr. Williams:

On May 30, 2019, the Louisiana Environmental Laboratory Accreditation Program (LELAP) received a request for an amendment to your Scope of Accreditation. LELAP amends the Scope issued October 3, 2018. The additions are highlighted in the attached scope of accreditation.

The Louisiana Department of Environmental Quality's laboratory accreditation program, in accordance with Louisiana Administrative Code, Title 33, Part I, Subpart 3, Laboratory Accreditation, accredits this laboratory for Fiscal Year 2020. This accreditation does not constitute an endorsement of the suitability of the listed methods for any specific purpose. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. The laboratory is accredited for the methods as identified on the application for accreditation; if the methods are partially identified on the application for accreditation, the laboratory is accredited for the versions listed on the current application or referenced in the laboratory standard operating procedure.

Louisiana Environmental Laboratory Accreditation Program (LELAP) accreditation is granted for those methods/analytes for which "STATE" is indicated as the type of accreditation. Accreditation is dependent on the laboratory's successful ongoing compliance with regulations as outlined in the Louisiana Administrative Code, Title 33, Part I, Subpart 3, Laboratory Accreditation.

The accreditation certificate is the property of the State of Louisiana. Should your accreditation be suspended or revoked, your laboratory must return the certificate of accreditation to the department and delete any electronic copies until your accreditation status is restored.

LAC 33:I.5313.A requires that the laboratory report include all relevant information. Therefore, the certificate number shall be placed in the upper right corner of all laboratory reports. If the test report

Mr. Christopher Williams  
CA Laboratories LLC  
Page 2 of 2

includes results of any test for which the laboratory is not accredited, the unaccredited results must be clearly identified as such.

**We request that you examine the scope of accreditation attachment for accuracy and completeness.** If you find that an analyte for which you expected to be accredited is not listed, please examine your records to ensure that:

1. You have met the requirements for successful participation in proficiency test studies as outlined in LAC 33:I.4711.
2. In the case of accreditation by recognition, the requested analyte must be listed for the requested method and matrix on both the certificate issued by the Primary Accreditation Body *and* on the Louisiana application form.

If after reviewing this information, the scope and/or certificate are inaccurate, please notify us immediately.

If you have any questions, please contact your assigned assessor Mark Johnson, Environmental Scientist at (225) 219-2513.

Sincerely,



Cheryl Sonnier Nolan  
Administrator  
Public Participation and Permit Support Services Division

09 July 2019  
Date

CSN:PB:KHW:mj



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

Is hereby granting a Louisiana Environmental Laboratory Accreditation to



**CA Laboratories LLC**  
**12232 Industriplex Blvd Ste 32**  
**Baton Rouge, Louisiana 70809**

**Agency Interest No. 165918**  
**Activity No. ACC20190001**

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:1.4711.

Cheryl Sonnier Nolan  
Administrator  
Public Participation and Permit Support Services Division

Issued Date: 09 July 2019

Effective Date: July 1, 2019  
Expiration Date: June 30, 2020  
Certificate Number: 03069



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

CA Laboratories LLC  
AI Number: 165918  
Activity No. ACC20190001  
Expiration Date: June 30, 2020

Effective Date: July 1, 2019

12232 Industriplex Blvd Ste 32, Baton Rouge, Louisiana 70809

Certificate Number: 03069

**Air Emissions**

Analyte	Method Name	Method Code	Type	AB
100173 - Asbestos by Phase Contrast Microscopy	NIOSH 7400 (A Rules)	899	State	LA
100171 - Asbestos by Transmission Electron Microscopy	EPA Level II Contract #68-02-3266	2020	NVLAP	LA
100131 - Airborne Asbestos	40 CFR Part 763, Subpart E, Appendix A (Mandatory TEM)	2062	NVLAP	LA
100172 - Asbestos by Polarized Light Microscopy	EPA 600/R-93/116	10294583	NVLAP	LA

**Non Potable Water**

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE

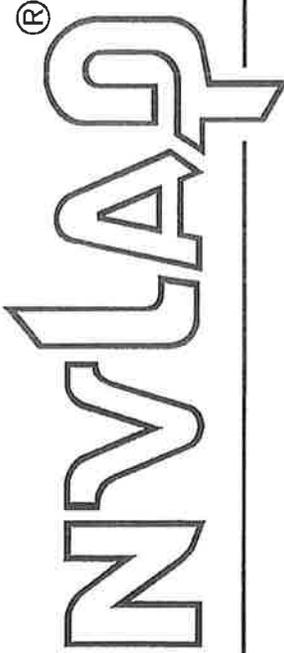
**Solid Chemical Materials**

Analyte	Method Name	Method Code	Type	AB
100095 - Asbestos in Bulk Insulation	40 CFR 763, Subpart E, Appendix E (Section 1.PLM)	2004	NVLAP	LA
1075 - Lead	EPA 7000B	10157707	State	LA
100231 - Lead in Paint	EPA 7000B	10157707	State	LA
100233 - Lead in Soil	EPA 7000B	10157707	State	LA
100232 - Lead in Wipes	EPA 7000B	10157707	State	LA
100172 - Asbestos by Polarized Light Microscopy	EPA 600/R-93/116	10294583	NVLAP	LA
100171 - Asbestos by Transmission Electron Microscopy	EPA 600/R-93/116	10294583	NVLAP	LA

**Biological Tissue**

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE

United States Department of Commerce  
National Institute of Standards and Technology



---

# Certificate of Accreditation to ISO/IEC 17025:2005

---

NVLAP LAB CODE: 200772-0

**CA Labs L.L.C.**  
Baton Rouge, LA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

## **Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

---

2020-01-01 through 2020-12-31

Effective Dates



A handwritten signature in black ink, which appears to read "John S. Lumb". The signature is written in a cursive style.

For the National Voluntary Laboratory Accreditation Program



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**CA Labs L.L.C.**

12232 Industriplex, Suite 32  
Baton Rouge, LA 70809-7105  
Mr. Christopher Williams  
Phone: 225-751-5632 Fax: 225-751-5634  
Email: calabsbr@calabsinc.com  
<http://www.calabsinc.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 200772-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

**Airborne Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

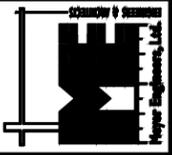
A handwritten signature in black ink, appearing to read "Chris Williams", written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program

project no. 20-1801  
 drawn DRM  
 checked XX  
 date 3/24/2020  
 revised 06.18.2020

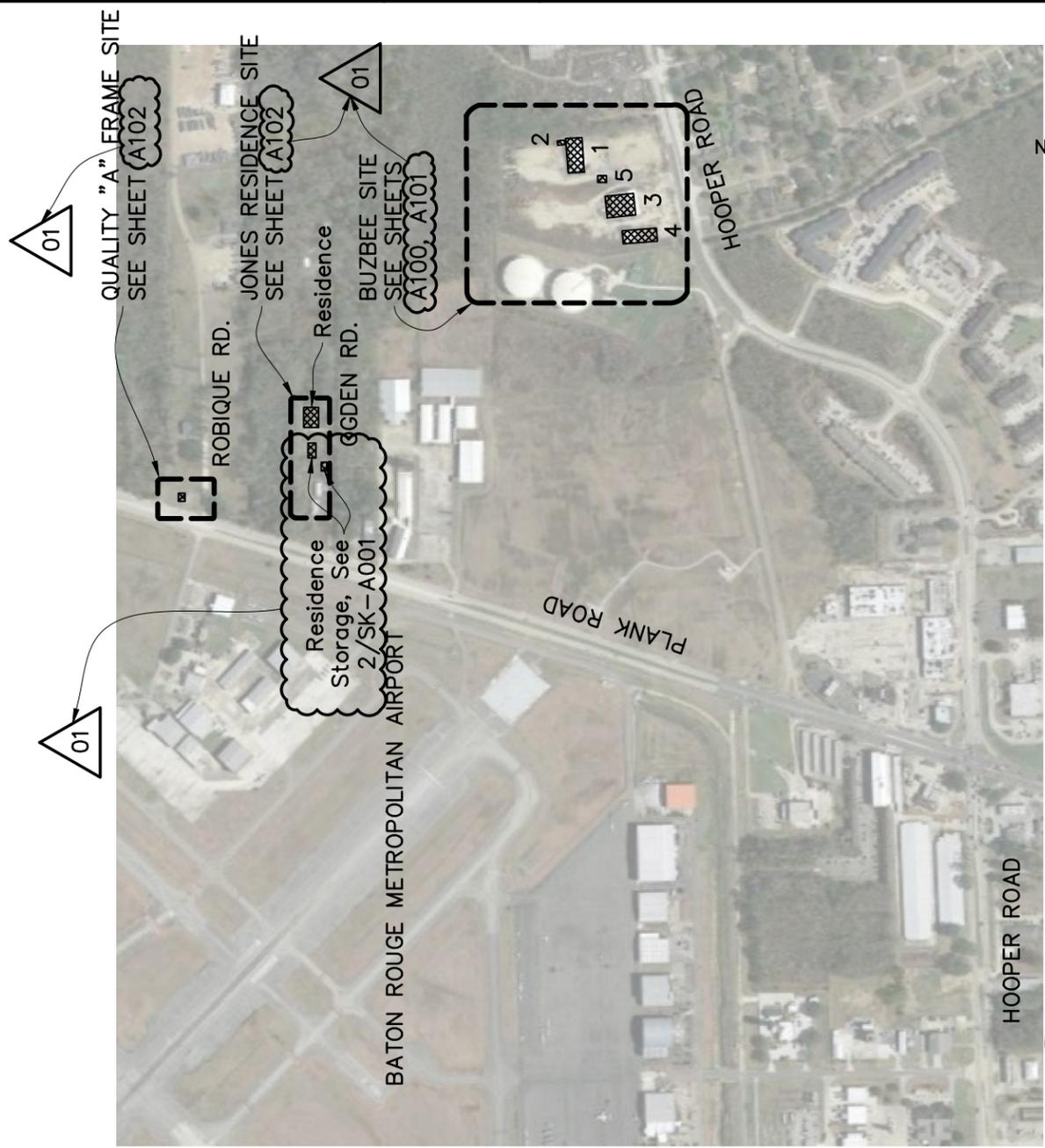


**Meyer Engineers, Ltd.**  
 4937 Hearst Street, Suite 18, Metairie, Louisiana 70001  
 phone: 504.885.9892, fax: 504.887.5056  
 website: www.meyer-e-l.com



**OVERALL SITE PLAN STORAGE PLAN  
 & RPZ RUNWAY IMPROVEMENTS  
 FOR RUNWAY 13/31 SAFETY AREA**

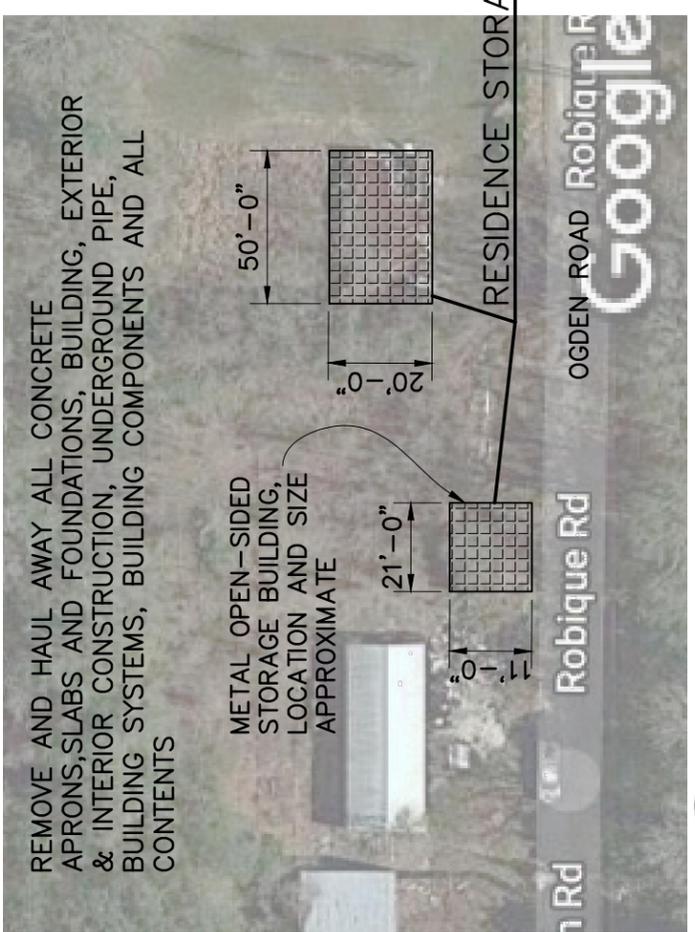
sheet no. **SK-A001**  
 of 6 sheets



**1 OVERALL SITE PLAN**  
 N.T.S.

**1** SK-A001

△ 01 EDITED SHEET NUMBERS FOR ACCURACY, UPDATED CORRECT LOCATION OF RESIDENCE STORAGE BUILDINGS TO BE DEMOLISHED



**2 PLAN - RESIDENCE STORAGE**  
 N.T.S.

**2** SK-A001

MEYER ENGINEERS, L.T.D.

BID DOCUMENT'S LOG

PROJECT NAME: Runway 13/31 Safety Area Imp 5 PROJ. NO.: 20-1801 DEPOSIT: \$ 25.00 disk  
 BID DATE: 6/25/2020 TIME: 2pm PLACE: 222 St. Louis St. Baton Rouge, LA  
 PROJ. MANAGER: DM/RH EST. COST: \$ \_\_\_\_\_ ALTERNATE(S): 1) \$ \_\_\_\_\_  
 2) \$ \_\_\_\_\_  
 3) \$ \_\_\_\_\_

**PRE-BID MEETING:**

ATTENDANCE: Non-Mandatory DATE: 6/16/2020 TIME: 2pm  
 LOCATION: Baton Rouge Metropolitan Airport Terminal Building  
 CONTRACTOR LICENSE CATEGORY: Building Construction

SET # LIC. #	COMPANY, ADDRESS, CONTACT PERSON, PHONE #, FAX #, & EMAIL	CONTRACTOR LICENSE#	PLANS & SPECS		DEPOSIT		ADDENDA	
			ISSUED	RETURN	RECVD	RETURN	DATE	SENT
SET #: 1	Company: Address: Contact: Email: Phone #: Fax #:	<input type="checkbox"/>					1	
Select One GENERAL or SUB		Verified Contractor License Category					2	
SET #: <b>CD</b>	Company: <u>Construct Connect</u> Address: <u>30 Technology Plaza S. Ste 100</u> <u>Norcross, GA</u> Contact: Email: <u>elizabeth.delane@constructconnect.com</u> Phone #: <u>800-364-2059</u> Fax #:	<input type="checkbox"/>	<u>fed</u>				3	
Select One GENERAL or SUB		Verified Contractor License Category	<u>ex</u>				4	
SET #: <b>CD</b>	Company: <u>Dodge Data</u> Address: <u>4300 Beltway Pl. Ste. 150</u> <u>Arlington, VA 76018</u> Contact: <u>Brandi Flanagan</u> Email: <u>Brandi.Flanagan@construction</u> Phone #: _____ Fax #:	<input type="checkbox"/>	<u>cel2</u>				5	
Select One GENERAL or SUB		Verified Contractor License Category	<u>mailed</u>				6	
SET #: <b>CD</b>	Company: <u>Dodge Data</u> Address: <u>4300 Beltway Pl. Ste. 150</u> <u>Arlington, VA 76018</u> Contact: <u>Brandi Flanagan</u> Email: <u>Brandi.Flanagan@construction</u> Phone #: _____ Fax #:	<input type="checkbox"/>	<u>6/9</u>				7	
Select One GENERAL or SUB		Verified Contractor License Category					1	
							2	
							3	
							4	
							5	
							6	
							7	

SET # LIC. #	COMPANY, ADDRESS, CONTACT PERSON, PHONE #, FAX #, & EMAIL	CONTRACTOR LICENSE#	PLANS & SPECS		DEPOSIT		ADDENDA	
			ISSUED	RETURN	RECV'D	RETURN	#	DATE
<b>SET #:</b> <b>00</b>	Company: <b>Northgate Land Development Corp.</b> Address: <b>8131 Quad Square Dr. BR, VA 70814</b> Contact: <b>Stephanie Allen</b> Email: <b>nylandrev@bellsouth.net</b> Phone #: <b>885-540-7599</b> Fax #:	<b>46285</b> Verified Contractor License Category <input checked="" type="checkbox"/>	Issued: <b>mailed</b> Return: <b>6/4</b>	Recv'd Return	# DATE SENT	1 2 3 4 5 6 7	1 2 3 4 5 6 7	1 2 3 4 5 6 7
<b>SET #:</b> Select One GENERAL or SUB	Company: Address: Contact: Email: Phone #: Fax #:	Verified Contractor License Category <input type="checkbox"/>				1-7		
<b>SET #:</b> Select One GENERAL or SUB	Company: Address: Contact: Email: Phone #: Fax #:	Verified Contractor License Category <input type="checkbox"/>				1-7		
<b>SET #:</b> Select One GENERAL or SUB	Company: Address: Contact: Email: Phone #: Fax #:	Verified Contractor License Category <input type="checkbox"/>				1-7		
<b>SET #:</b> Select One GENERAL or SUB	Company: Address: Contact: Email: Phone #: Fax #:	Verified Contractor License Category <input type="checkbox"/>				1-7		