

# **ADDENDUM NO. A**

**April 19, 2019**

**BIDDING AND CONTRACT DOCUMENTS**

**FOR**

**WEST LOTHIAN ROOF REPLACEMENT**

**PROJECT NO. 956399**

**CONTRACT NO. 956399-LF-2019-96**



**The following changes, additions, or deletions shall be made to the following documents as indicated for this Project; and all other terms and conditions shall remain the same. Each bidder is responsible for transmitting this information to all affected subcontractors and suppliers before the Bid Deadline.**

**1. TABLE OF CONTENTS**

**Delete** existing Table of Contents and replace with the one issued in this Addendum.

**2. INFORMATION AVAILABLE TO BIDDERS**

**Add** item 2, Reports, to Information Available to Bidders, Ambient Environmental Inc., dated May 12, 2011, 4 pages.

**3. LIST OF DRAWINGS**

**Add** List of Drawings issued in this Addendum.

**4. DRAWINGS**

**Add** sheet T0.1 Title Sheet, issued in this Addendum.

**Add** sheet M0.1 Mechanical Notes, Abbreviations, and Symbols, issued in this Addendum.

**Add** sheet M0.2 Equipment Schedules, issued in this Addendum.

**Add** sheet M1.0 Mechanical Demolition, issued in this Addendum.

**Add** sheet M2.0 Mechanical Reconstruction, issued in this Addendum.

**Add** sheet M3.0 Mechanical Details, issued in this Addendum.

**Add** sheet M3.1 AHU Details, issued in this Addendum.

**Add** sheet M4.0 P&ID, issued in this Addendum.

**Add** sheet M5.0 Control Diagram/ Sequence of Operation, issued in this Addendum.

**Add** sheet M5.1 Communication Riser Diagram, issued in this Addendum.

**Add** sheet E0.1 Electrical Symbols, Legend, and General Notes, issued in this Addendum.

**Add** sheet E1.0 Electrical Demolition & Reconstruction Plans, issued in this Addendum.

**Add** sheet E3.1 Single Line Diagram and Schedules, issued in this Addendum.

**Add** sheet S1.0 General Notes, issued in this Addendum.

**Add** sheet S2.0 Basement Floor Plan, issued in this Addendum.

**Add** sheet S3.0 Structural Details, issued in this Addendum.

**END OF ADDENDUM**

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**List of Drawings**

**Drawings (Under Separate Cover)**

Specifications

## **INFORMATION AVAILABLE TO BIDDERS**

The following information is made available for the convenience of bidders and is not a part of the Contract. The information is provided subject to the provisions of Article 3 of the General Conditions.

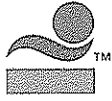
1. The University of California has contracts for materials, equipment and/or services with the suppliers listed on the Office of the President Procurement Services website at: <http://www.ucop.edu/procurement-services/for-suppliers/ucop-designated-construction-agreements.html>

General Contractors or others submitting bids for University construction projects may enter into agreements with these suppliers that utilize the pricing and terms contained in the University-supplier agreements. The university does not represent or warrant that materials/equipment/services of these suppliers meet the requirements of the University's construction contracts.

Use of such suppliers shall not relieve Contractor from its obligation to meet all contractual requirements in any contracts with the University. The university will not be a party to any agreements with such suppliers and accepts no performance obligations or liability with respect to such agreements.

2. **Reports: Ambient Environmental Inc., dated May 12, 2011, 4 pages.**

END OF INFORMATION AVAILABLE TO BIDDERS



## Ambient Environmental Inc.

Complete Environmental Consulting  
Asbestos & Lead Lab/Field Services  
Phase I Site Assessments  
Indoor Air/Water Quality Surveys

1464 Sixth Street  
Norco, California 92860

951 272-4730 *Phone*  
951 272-4731 *Facsimile*  
JP@ambientenv.com

May 12, 2011

via: US Mail

Mr. Drew Hecht  
Office of Design & Construction  
University of California, Riverside  
3615 Canyon Crest Drive  
Riverside, California 92507

Re: Limited Asbestos Survey Report for the property located at:  
Lothian Hall Roof, University of California, Riverside

Dear Mr. Hecht:

Ambient Environmental, Inc. performed a limited asbestos survey for the above referenced location. Mr. Todd Hill, an Ambient Environmental, Inc. representative and an EPA accredited AHERA inspector for Asbestos Containing Material (ACM) performed the survey. First, a visual survey was conducted to identify building materials that were to be impacted during the renovation project.

Representative bulk samples were collected from each building material identified during the visual survey. Each sample was collected using Environmental Protection Agency (EPA) sampling procedures as defined in the Simplified Sampling Scheme for Friable Surfacing Materials USEPA, 1985 and the Asbestos Hazard Emergency Response Act of 1986 (AHERA) located in 40 CFR part 763 per EPA guidelines. Reasonable care was taken to avoid any accidental fiber release into the building environment.

Each sample was analyzed for the presence of asbestos by an independent laboratory. The independent laboratory is accredited by the American Industrial Hygiene Association (AIHA), The National Institute for Standards and Testing (NIST) and the National Voluntary Laboratory Accreditation Program (NVLAP). Four bulk samples were submitted and analyzed by Polarized Light Microscopy (PLM) method. Quality Control (QC) program was strictly enforced to assure accuracy of sample results.

Current Federal USEPA Regulations define a material to be asbestos containing at 1% by weight. Current State of California regulations define a material to be asbestos containing at 0.1% by weight. For this reason, any sample reported as containing a trace amount of asbestos is assumed to contain asbestos.

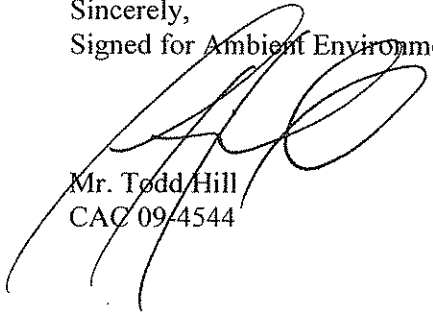
The following is the laboratory result:

Material	Material Location	Laboratory Result
Underlayment	Roof	Non Detected
Roof Mastic	Roof	5% Chrysotile
Light Weight Concrete	Roof	Non Detected

Ambient Environmental Inc. warrants that our services are performed, within the limits prescribed by our client, with the usual thoroughness and competence of the engineering profession.

Please contact the undersigned with your questions and/or comments regarding the sample result and/or location of material.

Sincerely,  
Signed for Ambient Environmental, Inc. by



Mr. Todd Hill  
CAC 09-4544



# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Ambient Environmental Inc  
John Payne  
1464 6th Street  
  
Norco, CA 92860

Client ID: 5697  
Report Number: B149164  
Date Received: 05/11/11  
Date Analyzed: 05/11/11  
Date Printed: 05/11/11  
First Reported: 05/11/11

Job ID/Site: 11-1315; Lothian Hall W. Roof, Riverside

FALI Job ID: 5697  
Total Samples Submitted: 4  
Total Samples Analyzed: 4

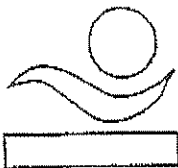
Date(s) Collected: 05/10/2011

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
1	50656146						
		Layer: Stones	ND				
		Layer: Black Tars	ND				
		Layer: Black Felts	ND				
		Total Composite Values of Fibrous Components: Asbestos (ND)					
		Cellulose (65.2%)					
2	50656147						
		Layer: Stones	ND				
		Layer: Black Tars	ND				
		Layer: Black Felts	ND				
		Total Composite Values of Fibrous Components: Asbestos (ND)					
		Cellulose (65.2%)					
3	50656148						
		Layer: Black Semi-Fibrous Tar	Chrysotile	5 %			
		Total Composite Values of Fibrous Components: Asbestos (5%)					
		Cellulose (Trace)					
4	50656149						
		Layer: Beige Non-Fibrous Material	ND				
		Layer: Black Felts	ND				
		Total Composite Values of Fibrous Components: Asbestos (ND)					
		Cellulose (2.2%)					

Steven Takahashi, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification (LOQ) = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from FALI. Forensic Analytical Laboratories Inc. is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



# AMBIENT ENVIRONMENTAL, INC.

Asbestos / Lead Field Services  
Indoor Air Quality Services  
Phase I Site Assessments  
Lab Services

1464 6TH STREET  
NORCO, CALIFORNIA 92860  
\* TEL: (951) 272-4730  
\* FAX: (951) 272-4731

## ASBESTOS BULK SAMPLE LOG Page \_\_\_ of \_\_\_

Client Name: UCR CONTRACTS

Project Location: LOTTMAN HALL W. ROOF RIVERSIDE

Date: 5-10-11 Field Technician: T. Hill

Project Number: 11-1315 Priority: ASAP 24 HR \_\_\_ 3-5 Days \_\_\_

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL DESCRIPTION	SQUARE FOOTAGE
1	ROOF	UNDERLAYMENT	
2	ROOF	UNDERLAYMENT	
3	ROOF	MASTIC	
4	ROOF	LIGHT WEIGHT CONCRETE	

Chain of Custody Analytical Method: PLM:  TEM: \_\_\_ Other: \_\_\_

Sampled By		Date	5-10-11	Time	
Relinquished By		Date		Time	
Received By		Date		Time	
Relinquished By		Date		Time	
Received By		J. Cantle F/E	Date	5-11-11	Time



**LIST OF DRAWINGS**

<b>SHEET NO.</b>	<b>TITLE</b>	<b>DATE</b>
T1.1	TITLE SHEET	100% CD 03/26/2019
T1.2	2016 GREEN BUILDING STANDARDS	100% CD 03/26/2019
AS0.1	SITE PLAN	100% CD 03/26/2019
A0.1	DEMO ROOF PLAN	100% CD 03/26/2019
A1.1	NEW ROOF PLAN	100% CD 03/26/2019
A7.1	DETAILS	100% CD 03/26/2019
M0.1	SYMBOLS, DESIGNATIONS AND ABBREVIATIONS	100% CD 03/26/2019
M0.2	EQUIPMENT SCHEDULES	100% CD 03/26/2019
M1.1	ROOF DEMOLITION HVAC PLAN	100% CD 03/26/2019
M1.2	ROOF RECONSTRUCTION HVAC PLAN	100% CD 03/26/2019
M3.1	MECHANICAL DETAILS	100% CD 03/26/2019
E0.1	SYMBOLS, DESIGNATION & ABBREVIATIONS	100% CD 03/26/2019
E1.1	ROOF DEMOLITION POWER PLAN	100% CD 03/26/2019
E1.2	ROOF RECONSTRUCTION POWER PLAN	100% CD 03/26/2019
E2.0	PANEL SCHEDULE DETAILS	100% CD 03/26/2019
1	SCREEN WALL DETAILS	100% CD 03/26/2019
2	SCREEN WALL DETAILS	100% CD 03/26/2019
3	SCREEN WALL DETAILS	100% CD 03/26/2019

END OF LIST OF DRAWINGS