EE&G ENVIRONMENTAL SERVICES, LLC

**PRE-DEMOLITION**
**ASBESTOS INSPECTION REPORT**

**FOR**

**PARCEL #: 23732-000-00**
**SIX VACANT**
**RESIDENTIAL STRUCTURES**
**2500 BLOCK OF SW 27TH AVENUE**
**OCALA, FLORIDA 34471**

Prepared for

CITY OF OCALA
GROWTH MANAGEMENT-CODE ENFORCEMENT DIVISION
201 SE 3RD STREET (2ND FLOOR)
OCALA, FLORIDA 34471

ATTENTION: MR. GREG MCCELLAN

Prepared by

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September 13, 2018
EE&G Project No. 2018-4419

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### TABLES



### APPENDICES

## SECTION 1.0

## INTRODUCTION

EE&G Environmental Services LLC (EE&G) was retained by City of Ocala (Client) to conduct an asbestos inspection at six vacant residential structures (5 duplex and 1 single family) located at Parcel 23732-000-00 at the 2500 block of SW 27th Avenue, Ocala, Florida 34471. The inspection was conducted on August 17 and 20, 2018, by Thomas Derby certified under the Asbestos Hazard Emergency Response Act, AHERA) of EE&G.

The purpose of this inspection was to identify the presence, extent, and condition of asbestos-containing materials (ACM**)** that may be impacted during planned demolition for compliance with the Environmental Protection Agency (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP), and applicable local, State and Federal Guidelines.

The addresses that were inspected were as follows:

- 2514 SW 27th Avenue.
- 2516 SW 27th Avenue.
- 2520 SW 27th Avenue.
- 2522 SW 27th Avenue.
- 2524 SW 27th Avenue.
- 2526 SW 27th Avenue.
- 2528 SW 27th Avenue.
- 2530 SW 27th Avenue.
- 2532 SW 27th Avenue.
- 2534 SW 27th Avenue.
- 2536 SW 27th Avenue.

Terms used in this report are defined in the General Terms section located in Appendix A. Additional information on the classification of ACM for National Emissions Standards for Hazardous Air Pollutants (NESHAP) is also located in Appendix A. These NESHAP categories are helpful in determining the need for asbestos abatement and must be used in the NESHAP notification of intent to renovate or demolish.

## SECTION 2.0

## BUILDING DESCRIPTION

The five duplex structures were observed with wood frame construction, set on a concrete slab foundation with stucco exterior walls. Interior walls and ceilings were drywall systems. Floors were carpet, ceramic, sheet vinyl floor covering (VFC) or vinyl floor tile (VFT) over concrete. The roofing systems were wood supported by wood trusses and finished with asphalt shingles. Duct work was fiberglass. Each individual duplex structure was approximately 1,200 square feet and they were constructed in 1958, 1961, and 1971.

The single family residence was a wood frame construction, set on a concrete slab foundation with stucco exterior walls. Interior walls and ceilings were drywall systems. Floors were carpet, sheet VFC or VFT over concrete. The roofing systems were wood supported by wood trusses and finished with asphalt shingles. Duct work was fiberglass. The structure was approximately 2,025 square feet and was constructed in 1958.

# SECTION 3.0

# METHODS AND LIMITATIONS

## 3.1 ASBESTOS SURVEY METHODS

The demolition areas were inspected for suspect ACM, unless otherwise noted. Each observed suspect material was assigned a homogenous area number, described, and measured. Each observed suspect material was either sampled or assumed to be asbestos-containing. Samples of suspect ACM were collected using procedures established by the United States (US) Environmental Protection Agency (EPA) Code of Federal Regulations (CFR) Title 40 Part 763 Subpart E, Asbestos-Containing Materials in Schools.

## 3.2 LABORATORY ANALYSIS METHODS

Samples were delivered to American Asbestos Laboratories, Inc. in Tampa, Florida for analysis. Upon arrival at the laboratory, the samples were logged-in and stored for analysis. Analyses were performed using the polarized light microscopy (PLM) method of asbestos detection using guidelines and procedures established in the Method for the Determination of Asbestos in Bulk Building Materials (EPA-600/R-93-116 July, 1993). Results were reported as percent (%) asbestos by volume. Samples found to contain greater than 1% asbestos were considered positive and listed as ACM.

## 3.3 LIMITATIONS

This asbestos inspection report has been prepared by EE&G in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranty, expressed or implied is made. The intent of this survey report is to assist the owner or client in locating ACM. Under no circumstances is this survey to be utilized as a proposal or a project specification document without the expressed written consent of EE&G.

The survey was conducted to identify suspect ACM in accessible areas of the structure. If other areas at this location are to be impacted during planned or future renovations, a separate asbestos survey of these areas will be required. Some ACM may not have been discovered due to inaccessibility or missing/incomplete plans. Suspect materials discovered subsequent to the issue of this survey report should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.

Analyses were carried out by PLM. While the most commonly accepted analytical method for detecting asbestos in bulk materials, PLM is known to have limited resolution and may not detect extremely small asbestos fibers. Certain materials, notably vinyl floor tiles, may contain extremely fine asbestos fibers that are beyond the resolution of PLM.

EE&G's interpretations and recommendations are based upon the results of sample collection and analyses in compliance with environmental regulations, quality control and assurance standards. The results, conclusions, and recommendations contained in this report pertain to

conditions observed at the time of the survey. Other conditions elsewhere in the subject building(s) may differ from those in the inspected/surveyed locations and, such conditions are unknown, may change over time, and have not been considered.

This report was prepared solely for the use of EE&G's client, and is not intended for use by third party beneficiaries. The client shall indemnify and hold EE&G harmless against liability for loss arising out of or relating to reliance by a third party on work performed thereunder, or the contents of this report. EE&G will not be held responsible for the interpretation or use by others of data developed pursuant to the compilation of this report, or for use of segregated portions of this report.

## SECTION 4.0

## SURVEY RESULTS

### 4.1 ASBESTOS ANALYSIS RESULTS

The results of the PLM analyses and assessment of suspect ACM are summarized in Table 1. The original laboratory report is attached as Appendix B.

#### 4.1.1 Asbestos-containing materials

Asbestos was identified in amounts greater than 1 percent in the following materials:

- White popcorn ceiling.
- Yellow sheet vinyl floor covering (VFC).
- Beige 9” x 9” vinyl floor tile (VFT) and associated black mastic.

Refer to Table 1 for the location, quantity, and condition of these materials.

#### 4.1.2 Non asbestos-containing materials

Asbestos was not detected or was found in amounts less than or equal to 1 percent in the following materials:

- White drywall system.
- Brown sheet VFC.
- White popcorn ceiling texture.
- Beige sheet VFC.
- Gray stucco.
- Red stucco.
- Black rolled roof.
- Black shingle and felt.
- Gray VFT and associated yellow mastic
- Gray concrete.
- White sheet VFC.
- Gray thin set and grout.
- Gray block.
- White terrazzo.

Refer to Table 1 for the location of these materials.

NA = Not Applicable NAD = No Asbestos Detected SF = Square Feet VFT = Vinyl Floor Tile HA = Homogenous Area

VFC = Vinyl Floor Covering

Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

## 4.2 ADDITIONAL OBSERVATIONS

In addition to the results presented in Section 4.1, EE&G observed the following:

- No suspect friable pipe thermal system insulation (TSI) was observed.
- No suspect fireproofing was observed.

NA = Not Applicable NAD = No Asbestos Detected SF = Square Feet VFT = Vinyl Floor Tile HA = Homogenous Area VFC = Vinyl Floor Covering

Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

**TABLE 1. SURVEY RESULTS FOR PARCEL #: 23732-000-00**
**SIX VACANT, RESIDENTIAL STRUCTURES**
**2500 BLOCK OF SW 27TH AVENUE, OCALA, FLORIDA 34471**

| HA | Material Description | Sample ID | HA Location | Approx. Quantity | Asbestos Content | Friable | Condition | NESHAP Category |
|---|---|---|---|---|---|---|---|---|
| 01 | White drywall system | 01-03 | 2514<br>2516 | NA | NAD | NA | NA | NA |
| 02 | Brown VFC | 04-06 | 2514<br>Kitchen<br>Bathroom | NA | NAD | NA | NA | NA |
| 03 | White popcorn ceiling | 07-09 | 2514<br>2516 | NA | NAD | NA | NA | NA |
| 04 | Yellow VFC | 10-12 | 2516<br>Bathroom | 35 SF | 15-20% | No | Good | CAT I |
| 05 | Beige VFC | 13-15 | 2516<br>Foyer | NA | NAD | NA | NA | NA |
| 06 | Gray stucco | 16-18 | Exterior | NA | NAD | NA | NA | NA |
| 07 | Red stucco | 19-21 | Exterior | NA | NAD | NA | NA | NA |
| 08 | Black shingle and felt | 22-24 | 2514<br>2516 | NA | NAD | NA | NA | NA |
| 09 | Gray concrete | 25-27 | 2514<br>2516 | NA | NAD | NA | NA | NA |

NA = Not Applicable NAD = No Asbestos Detected VFT = Vinyl Floor Tile SF = Square Feet HA = Homogenous Area
VFC = Vinyl Floor Covering

Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

**EE&G**: Asbestos Survey September 13, 2018

| HA | Material Description | Sample ID | HA Location | Approx. Quantity | Asbestos Content | Friable | Condition | NESHAP Category |
|---|---|---|---|---|---|---|---|---|
| 10 | Beige 9” VFT w/ black mastic | 28-30 | 2520 (sub-layer throughout) | 2,025 SF | 2-5% tile 5-10% mastic | No | Good | Cat I |
| 11 | Yellow VFC | 31-33 | 2520 Back hall | 35 SF | 20-25% | No | NA | Cat I |
| 12 | White drywall system | 34-36 | 2520 | NA | NAD | NA | NA | NA |
| 13 | White popcorn ceiling | 37-39 | 2520 | 2,025 SF | 2-5% | Yes | Good | RACM |
| 14 | Black roll roofing | 40-42 | 2520 Rear roof | NA | NAD | NA | NA | NA |
| 15 | Black shingle and felt | 43-45 | 2520 Main roof | NA | NAD | NA | NA | NA |
| 16 | Gray stucco | 46-48 | 2520 Exterior | NA | NAD | NA | NA | NA |
| 17 | Gray concrete | 49-51 | 2520 Slab | NA | NAD | NA | NA | NA |
| 18 | White drywall system | 52-54 | 2522 2524 | NA | NAD | NA | NA | NA |
| 19 | White popcorn ceiling | 55-57 | 2522 2524 | NA | NAD | NA | NA | NA |
| 20 | White VFC | 58-60 | 2524 Kitchen | NA | NAD | NA | NA | NA |

NA = Not Applicable NAD = No Asbestos Detected VFT = Vinyl Floor Tile SF = Square Feet HA = Homogenous Area
VFC = Vinyl Floor Covering

Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

**EE&G**: Asbestos Survey September 13, 2018

| HA | Material Description | Sample ID | HA Location | Approx. Quantity | Asbestos Content | Friable | Condition | NESHAP Category |
|---|---|---|---|---|---|---|---|---|
| 21 | Beige VFC | 61-63 | 2522<br>2524 | NA | NAD | NA | NA | NA |
| 22 | Gray VFT w/ glue | 64-66 | 2522<br>2524 | NA | NAD | NA | NA | NA |
| 2324 | Black shingle and felt | 67-69 | 2522<br>2524 | NA | NAD | NA | NA | NA |
| 25 | White drywall system | 70-72 | 2526<br>2528 | NA | NAD | NA | NA | NA |
| 26 | White popcorn ceiling | 73-75 | 2526<br>2528 | 1,194 SF | 2-5% | Yes | Good | RACM |
| 27 | Gray grout | 76 | 2526<br>2528<br>Foyer | NA | NAD | NA | NA | NA |
| 28 | Gray thin set | 77 | 2526<br>2528<br>Foyer | NA | NAD | NA | NA | NA |
| 29 | Gray block | 78-80 | 2526<br>2528 | NA | NAD | NA | NA | NA |
| 30 | Black shingle and felt | 81-83 | 2526<br>2528 | NA | NAD | NA | NA | NA |
| 31 | White terrazzo | 84-86 | 2526<br>2530<br>2534 | NA | NAD | NA | NA | NA |

NA = Not Applicable NAD = No Asbestos Detected VFT = Vinyl Floor Tile SF = Square Feet HA = Homogenous Area
VFC = Vinyl Floor Covering

Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

| HA | Material Description | Sample ID | HA Location | Approx. Quantity | Asbestos Content | Friable | Condition | NESHAP Category |
|---|---|---|---|---|---|---|---|---|
| 32 | White drywall system | 87-89 | 2530<br>2532 | NA | NAD | NA | NA | NA |
| 33 | White ceiling texture | 90-92 | 2530<br>2532 | NA | NAD | NA | NA | NA |
| 34 | Gray grout | 93 | 2530<br>2532 | NA | NAD | NA | NA | NA |
| 35 | Gray thin set | 94 | 2530<br>2532 | NA | NAD | NA | NA | NA |
| 36 | Gray block | 95-97 | 2530<br>2532 | NA | NAD | NA | NA | NA |
| 37 | Black shingle and felt | 98-100 | 2530<br>2532 | NA | NAD | NA | NA | NA |
| 38 | White drywall system | 101-103 | 2534<br>2536 | NA | NAD | NA | NA | NA |
| 39 | Beige VFC | 104-106 | 2534<br>2536<br>Foyer | NA | NAD | NA | NA | NA |
| 40 | Gray grout | 107 | 2534<br>2536<br>Foyer | NA | NAD | NA | NA | NA |
| 41 | Gray thin set | 108 | 2534<br>2536<br>Foyer | NA | NAD | NA | NA | NA |

NA = Not Applicable NAD = No Asbestos Detected VFT = Vinyl Floor Tile SF = Square Feet HA = Homogenous Area
VFC = Vinyl Floor Covering

Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

| HA | Material Description | Sample ID | HA Location | Approx. Quantity | Asbestos Content | Friable | Condition | NESHAP Category |
|---|---|---|---|---|---|---|---|---|
| 42 | Yellow VFC | 109-111 | 2534<br>2536<br>Foyer | NA | NAD | NA | NA | NA |
| 43 | White popcorn ceiling | 112-114 | 2534<br>2536 | 1,194 SF | 2-5% | Yes | Good | RACM |
| 44 | Gray block | 115-117 | 2534<br>2536 | NA | NAD | NA | NA | NA |
| 45 | Black shingle and felt | 118-120 | 2534<br>2536 | NA | NAD | NA | NA | NA |
| 46 | White drywall | 121-123 | Shed | NA | NAD | NA | NA | NA |
| 47 | Black shingle and felt | 124-126 | Shed roof | NA | NAD | NA | NA | NA |
| 48 | Gray concrete | 127-129 | Shed slab | NA | NAD | NA | NA | NA |

NA = Not Applicable NAD = No Asbestos Detected VFT = Vinyl Floor Tile SF = Square Feet HA = Homogenous Area
VFC = Vinyl Floor Covering

Quantities are approximate. Asbestos detected is chrysotile unless otherwise noted.

# SECTION 5.0

# RECOMMENDATIONS

## 5.1 RECOMMENDATIONS FOR REGULATED ACM (RACM)

The white popcorn ceiling texture in units 2520, 2526, 2528, 2534, and 2536 was identified as RACM. This material must be removed prior to demolition of the structure. Removal and disposal of this material must be performed by a Florida-licensed Asbestos Contractor.

## 5.2 RECOMMENDATIONS FOR CATEGORY I NONFRIABLE ACM

The following materials were identified as Category I Nonfriable ACM:

- Beige 9”x9” VFT (unit 2520).
- Black mastic associated with 9” x 9” VFT (unit 2520).
- Yellow vinyl sheet (units 2516, and 2520).

These materials may remain [within] [on] the structure during wet demolition provided they remain nonfriable. However, they must be removed prior to activities that would release asbestos fibers. Specifically, demolition activity that will crush, abrade, or dissolve the matrix of these materials must be performed by a Florida-licensed Asbestos Contractor. If they can remain intact during wet demolition, then removal is not required, but the contractor must still follow NESHAP guidelines and OSHA training and protection requirements. A further explanation of some of these requirements are included in the Specific Recommendations Section of this document.

## 5.3 RECOMMENDATIONS FOR CATEGORY II NONFRIABLE ACM

None of the surveyed materials were identified as Category II Nonfriable ACM.

## 5.4 GENERAL RECOMMENDATIONS

- If other structures at this location are to be impacted during demolition, an asbestos survey of these structures will be required.
- Suspect materials discovered after this inspection should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.
- This report should be updated if demolition of buildings covered in this survey does not take place within six months of the date of this survey, i.e. by March 2019.

## 5.5 SPECIFIC RECOMMENDATIONS

Based on the results of this demolition survey, EE&G has the following specific recommendations:

- Prior to demolition activities, the property should be inspected for all potentially hazardous materials. The identified materials should be removed from the property, and properly disposed of in accordance with federal, state, and local regulations.

- Demolition activities shall be conducted in accordance with 40 CFR 61 (NESHAP). It is recommended that contractor personnel receive a copy of EPA guidance on wet methods for asbestos removal and demolition, as well as the EPA guidance document on demolition practices under the asbestos NESHAP.

- Workers who perform demolition activities must comply with the OSHA construction standard for Occupational Exposure to Asbestos (CFR 1926.1101), and a NESHAP competent person must be present on the project during demolition to note changes in the condition of ACM impacted during wet demolition.

- Where ACM is being disturbed, either by wet demolition or removed prior to demolition, OSHA requires that workers be monitored for exposure to airborne fibers so that an exposure assessment may be made to determine the appropriate level of respiratory protection. Only a Project Monitor working under the direction of a Florida-licensed consultant may perform airborne fiber monitoring.

- For structures undergoing wet demolition with nonfriable ACM present, a licensed asbestos consulting firm should perform daily air monitoring for airborne fibers to document the ambient air quality during demolition.

- EE&G recommends a walk-through of the property with the owner/owners representative and the demolition contractor prior to commencement of demolition activities. The demolition contractor should be provided the Pre-Demolition Survey Report, and should inspect the property for unidentified ACM. Unidentified suspect ACM should be sampled and analyzed prior to the start of demolition activities.

- The Florida Department of Environmental Protection (FDEP) requires notification of intent to demolish, regardless of whether ACM is present. Notification must be sent at least 10 working days prior to the start of demolition activities. The general contractor should also keep a copy of this survey at the demolition site during the entire project as proof of compliance with 40 CFR 61 (NESHAP).

## SECTION 6.0

## SIGNATURE PAGE

Submitted by

Thomas D Derby
Environmental Technician, EE&G

Reviewed by

Timothy Lentz, P.G.
Senior Technical Advisor, EE&G
Asbestos Consultant #AX84

# APPENDIX A

## GENERAL TERMS:

## TYPES OF ASBESTOS-CONTAINING MATERIALS
## TYPES OF ASBESTOS-CONTAINING ROOFING MATERIALS
## NESHAP CATEGORIES FOR ACM

## TYPES OF ASBESTOS-CONTAINING MATERIALS

### Asbestos-Containing Material (ACM)

Asbestos-containing materials, as defined by National Emission Standards for Hazardous Air Pollutants (NESHAP), are materials that have an asbestos content of greater than 1 percent.

### Friable Material

Material that can be crumbled or reduced to a powder using normal hand pressure. Nonfriable material is too hard to be crumbled or reduced to a powder without the use of tools. Nonfriable materials may become friable if abraded or broken.

### Suspect Materials

There are three broad classes that define suspect, asbestos-containing materials. These are: 1) surfacing material, 2) thermal system insulation, and 3) miscellaneous material. Materials that fit the description of these materials (as described below) are suspected to contain asbestos, until sampled and analyzed.

- Surfacing Material - Materials applied by spray or trowel are classified as surfacing materials. Asbestos was used in a variety of surfacing materials for fireproofing, acoustic dampening, condensation control, and decorative purposes. Surfacing materials that contain asbestos usually occur as fireproofing on steel-frame members, textured ceilings, or acoustic plaster ceilings.

- Thermal System Insulation (TSI) Material - Chill water, hot water, and steam-generating mechanical systems are frequently insulated with materials that contain asbestos. Pipes may be insulated with a nonasbestos-containing material, but have mastic or plastered joints that contain asbestos. Insulation materials that contain asbestos are generally found in boiler rooms and chiller rooms, in pipe chases in walls, in pipe runs above suspended ceilings, or in crawl spaces under buildings. Insulation covered with an undamaged jacket or wrap is classified as nonfriable. Adhesives used to hold insulation in place or provide an airtight seal are also nonfriable materials. Most other types of thermal insulation are friable.

- Miscellaneous Material - Miscellaneous building materials are materials that are used for finishing of interior spaces, or adhesive materials applied to building materials and roofs. These materials have been manufactured with asbestos for strength enhancement, fire retardation, condensation control, acoustical dampening, or corrosion resistance. The most common type of friable miscellaneous material is ceiling tile. Most other miscellaneous materials are nonfriable materials such as vinyl floor tile, adhesives, and cementitious panels (Transite™).

## TYPES OF ASBESTOS-CONTAINING ROOFING MATERIALS (ACRM)

### Field Membrane

This area is usually the predominant part of the roof deck and is comprised of all nonflashed areas and is applied directly to the roof substrate over an intermediate insulating layer. It usually consists of alternating layers of rolled-out felts and hot tar, topped with more hot tar to waterseal, and gravel. The asbestos, if found, is in one or more of the layers of tar or may be in the felts themselves.

### Edge Flashing

This component consists of a cold bull/pitch applied to the substrate around the perimeter of a flat roof deck. An additional 8" - 12" of felt is applied to the bull/pitch to seal the edge of the roof substrate before a 4" - 6" piece of metal drip guard is placed over these materials to counterflash and protect against wind and rain. The field membrane felts are then blended in with the inner edge to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

### Wall Base/Parapet Flashing

This component consists of a cold bull/pitch applied to the roof substrate, adjoining wall base, fan/vent, scupper trough, hatch, chimney, or raised parapet wall. An additional 12" - 48" of felt (often painted silver) is applied to the bull/pitch to seal the edges of the roof substrate, wall(s), or the side or top of the concrete parapet wall. The field membrane felts are then blended in with the inner edge to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

### Roof Fixture Flashing

This component consists of a cold bull/pitch applied to the roof substrate around one of the following fixtures: roof drain, vent-thru-roof stack (VTR), pitch pan, gooseneck vents, mechanical equipment supports, or other roof penetration. An additional sheet of metal counterflashing (extending 4" - 24" from the center) is applied to the bull/pitch to seal the edges to the roof substrate. The field membrane felts are placed over up to the fixture sides to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

## NESHAP CATEGORIES FOR ACM

### Regulated ACM (RACM)

ACM that is friable or likely to become friable during renovation or demolition activities is considered to be RACM. These materials must be removed from buildings prior to renovation or demolition activities that will disturb them.

### Category I Nonfriable ACM

Resilient flooring, such as vinyl floor tile and rolled vinyl sheeting, valve packings and gaskets, and asphalt (bituminous) roofing materials are classified as Category I Nonfriable materials. If these materials are in good condition, they are not likely to become friable during demolition, and therefore, may remain in place for demolition. However, these materials must be removed prior to renovations if the renovation involves alteration that would render them friable.

### Category II Nonfriable ACM

Category II materials are other nonfriable materials that are not classified as Category I. Asbestos cement products and plaster are the most common types of Category II materials. Most Category II materials are likely to become friable during demolition, and therefore, must be removed prior to demolition. These materials must be removed prior to renovations if the renovation involves alteration that would render them friable.

## APPENDIX B

## LABORATORY ANALYSIS REPORT
## PLM RESULTS

## Exhibit A- Pre-Demolition Asbestos Inspection Report

**AAL**
American Asbestos Laboratories

***Friday, Sep 7 2018, 3:02 PM***

### *REPORT*

***SENT TO:*** **CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT**
**201 SE 3RD STREET, 2ND FLOOR**
**OCALA, FL 34471**
**HOLLY LANG**

***Phone:*** **352-629-8481** ***Fax:***
***Email:*** **hlang@ocalafl.org**

*Thank you for your business.*

***PREPARED BY:*** AAL
Asbestos Department
5005 WEST LAUREL STREET
SUITE 110
TAMPA, FL 33607
NVLAP Lab Code 101775
(813) 287-1005

***Analysis:*** *Polarized Light Microscopy (PLM) with dispersion staining techniques according to the United States (US) Environmental Protection Agency (EPA) 'Method for the Determination of Asbestos in Bulk Building Materials', EPA/600/R-93-116, July 1993.*

| | | | |
|---|---|---|---|
| ***Sample Type:*** | ***BULK*** | ***Date in:*** | Wednesday, August 22, 2018 |
| ***# of Samples:*** | 153 | ***Date out:*** | Friday, Sep 7 2018 |
| | | ***Transported:*** | TOM DERBY |
| ***Work Order#*** | T1808058 | ***Sampled by:*** | TOM DERBY |
| **AAL Project#** | 2018-4419 | ***Received by:*** | KIA |
| ***Project:*** | MULTIPLE STRUCTURES, OCALA, FL | | |

*Authorized Analyst*
KHANDAKER ANAM

*Laboratory Manager*
KHANDAKER ANAM

***Due to the small size of asbestos fibers associated with vinyl floor tiles, TEM analysis is recommended for all floor tiles containing <1% or no detectable asbestos by visual estimation.***

# AAL

# LABORATORY BULK SAMPLE ANALYSIS REPORT

**CLIENT:** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

**PROJECT:** MULTIPLE STRUCTURES, OCALA, FL

**Work Order:** T1808058

*Asbestos analysis of bulk materials via EPA 600/R/93/116 Method using Polarized Light Miscroscopy (PLM).*

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | | | | | | %NON-ASB | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CHRY | AMOS | CROC | TREM | ANTH | OTHER | NON FIB | FIBERS |
| 01 A | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2514 | 01 | | | NO ASBESTOS DETECTED | | | | Other: 85- 90 | Cellulose: 10- 15 |
| 01 B | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2516 | 02 | | | NO ASBESTOS DETECTED | | | | Other: 85- 90 | Cellulose: 10- 15 |
| 01 C | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2516 | 03 | | | NO ASBESTOS DETECTED | | | | Other: 85- 90 | Cellulose: 10- 15 |
| 02 A | KIA | BROWN VINYL SHEET | 2514 KITCHEN | 04 | | | NO ASBESTOS DETECTED | | | | Other: 85- 90 | Cellulose: 10- 15 |
| | | | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | |
| 02 B | KIA | BROWN VINYL SHEET | 2514 BATHROOM | 05 | | | NO ASBESTOS DETECTED | | | | Other: 85- 90 | Cellulose: 10- 15 |
| | | | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | |

Report Continued on Next Page

***CLIENT:*** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

***PROJECT:*** MULTIPLE STRUCTURES, OCALA, FL

***Work Order:*** T1808058

## *LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED*

| *Dash No.* | *ANA* | *DESCRIPTION* | *LOCATION* | *Sample No.* | *PERCENT ASBESTOS FIBERS* | | | | | | *%NON-ASB* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *CHRY* | *AMOS* | *CROC* | *TREM* | *ANTH* | *OTHER* | *NON FIB* | *FIBERS* |
| 02 C | KIA | BROWN VINYL SHEET | 2514 BATHROOM | *06* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- 15 |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |
| 03 A | KIA | WHITE POPCORN CEILING | 2514 | *07* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 03 B | KIA | WHITE POPCORN CEILING | 2516 | *08* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 03 C | KIA | WHITE POPCORN CEILING | 2516 | *09* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 04 A | KIA | YELLOW VINYL SHEET | 2516 BATHROOM | *10* | 15 - 20 | | | | | | Other: 65- 75 | Cellulose: 10- 15 |
| 04 B | KIA | YELLOW VINYL SHEET | 2516 BATHROOM | *11* | 15 - 20 | | | | | | Other: 65- 75 | Cellulose: 10- 15 |
| 04 C | KIA | YELLOW VINYL SHEET | 2516 BATHROOM | *12* | 15 - 20 | | | | | | Other: 65- 75 | Cellulose: 10- 15 |



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***CLIENT:*** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT
***PROJECT:*** MULTIPLE STRUCTURES, OCALA, FL
***Work Order:*** T1808058

## *LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED*

| *Dash No.* | *ANA* | *DESCRIPTION* | *LOCATION* | *Sample No.* | *PERCENT ASBESTOS FIBERS* | | | | | | *%NON-ASB* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *CHRY* | *AMOS* | *CROC* | *TREM* | *ANTH* | *OTHER* | *NON FIB* | *FIBERS* |
| 05 A | KIA | BEIGE VINYL SHEET | 2516 FOYER | *13* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- 15 |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |
| 05 B | KIA | BEIGE VINYL SHEET | 2516 FOYER | *14* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- 15 |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |
| 05 C | KIA | BEIGE VINYL SHEET | 2516 FOYER | *15* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- 15 |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |
| 06 A | KIA | GRAY STUCCO | EXTERIOR (TOP) | *16* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 06 B | KIA | GRAY STUCCO | EXTERIOR (TOP) | *17* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 06 C | KIA | GRAY STUCCO | EXTERIOR (TOP) | *18* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 07 A | KIA | RED STUCCO | EXTERIOR (BOTTOM) | *19* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |





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***CLIENT:*** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

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## *LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED*

| *Dash No.* | *ANA* | *DESCRIPTION* | *LOCATION* | *Sample No.* | *PERCENT ASBESTOS FIBERS* | *%NON-ASB* | |
|---|---|---|---|---|---|---|---|
| | | | | | *CHRY AMOS CROC TREM ANTH OTHER* | *NON FIB* | *FIBERS* |
| 07 B | KIA | RED STUCCO | EXTERIOR (BOTTOM) | *20* | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 07 C | KIA | RED STUCCO | EXTERIOR (BOTTOM) | *21* | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 08 A | KIA | BLACK SHINGLE | 2514 | *22* | NO ASBESTOS DETECTED | Other: 95- 90 | Glass: 10- 5 |
| 08 B | KIA | BLACK SHINGLE | 2516 | *23* | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |
| 08 C | KIA | BLACK SHINGLE | 2516 | *24* | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |
| 09 A | KIA | BLACK FELT | 2514 | *22A* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 09 B | KIA | BLACK FELT | 2516 | *23A* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 09 C | KIA | BLACK FELT | 2516 | *24A* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |





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***CLIENT:*** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

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## *LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED*

| *Dash No.* | *ANA* | *DESCRIPTION* | *LOCATION* | *Sample No.* | *PERCENT ASBESTOS FIBERS* | | | | | | *%NON-ASB* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *CHRY* | *AMOS* | *CROC* | *TREM* | *ANTH* | *OTHER* | *NON FIB* | *FIBERS* |
| 10 A | KIA | GRAY CONCRETE | 2514 | *25* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 10 B | KIA | GRAY CONCRETE | 2516 | *26* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 10 C | KIA | GRAY CONCRETE | 2516 | *27* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 11 A | KIA | BEIGE 9'X9' VFT | 2520 | *28* | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 11 B | KIA | BEIGE 9'X9' VFT | 2520 | *29* | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 11 C | KIA | BEIGE 9'X9' VFT | 2520 | *30* | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 12 A | KIA | BLACK MASTIC ON BEIGE 9'X9' VFT | 2520 | *28A* | 5 - 10 | | | | | | Other: 85- 93 | Cellulose: 2- 5 |
| 12 B | KIA | BLACK MASTIC ON BEIGE 9'X9' VFT | 2520 | *29A* | 5 - 10 | | | | | | Other: 85- 93 | Cellulose: 2- 5 |





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***CLIENT:*** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT
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## *LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED*

| *Dash No.* | *ANA* | *DESCRIPTION* | *LOCATION* | *Sample No.* | *PERCENT ASBESTOS FIBERS* | | | | | | *%NON-ASB* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *CHRY* | *AMOS* | *CROC* | *TREM* | *ANTH* | *OTHER* | *NON FIB* | *FIBERS* |
| 12 C | KIA | BLACK MASTIC ON BEIGE 9'X9' VFT | 2520 | *30A* | 5 - 10 | | | | | | Other: 85- 93 | Cellulose: 2- 5 |
| 13 A | KIA | YELLOW VINYL SHEET | 2520 BACK HALL | *31* | 20 - 25 | | | | | | Other: 73- 79 | Cellulose: 1- 2 |
| 13 B | KIA | YELLOW VINYL SHEET | 2520 BACK HALL | *32* | 20 - 25 | | | | | | Other: 73- 79 | Cellulose: 1- 2 |
| 13 C | KIA | YELLOW VINYL SHEET | 2520 BACK HALL | *33* | 20 - 25 | | | | | | Other: 73- 79 | Cellulose: 1- 2 |
| 14 A | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2520 | *34* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 14 B | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2520 | *35* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 14 C | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2520 | *36* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |



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**CLIENT:** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT
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## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | | | | | | %NON-ASB | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CHRY | AMOS | CROC | TREM | ANTH | OTHER | NON FIB | FIBERS |
| 15 A | KIA | WHITE POPCORN CEILING | 2520 | *37* | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 15 B | KIA | WHITE POPCORN CEILING | 2520 | *38* | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 15 C | KIA | WHITE POPCORN CEILING | 2520 | *39* | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 16 A | KIA | BLACK ROLL ROOF | 2520 | *40* | NO ASBESTOS DETECTED | | | | | | Other: 75- 85 | Glass: 5- 10<br>Cellulose: 10- 15 |
| 16 B | KIA | BLACK ROLL ROOF | 2520 | *41* | NO ASBESTOS DETECTED | | | | | | Other: 75- 85 | Glass: 5- 10<br>Cellulose: 10- 15 |
| 16 C | KIA | BLACK ROLL ROOF | 2520 | *42* | NO ASBESTOS DETECTED | | | | | | Other: 75- 85 | Glass: 5- 10<br>Cellulose: 10- 15 |
| 17 A | KIA | BLACK SHINGLE | 2520 | *43* | NO ASBESTOS DETECTED | | | | | | Other: 95- 90 | Glass: 10- 5 |





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## *LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED*

| *Dash No.* | *ANA* | *DESCRIPTION* | *LOCATION* | *Sample No.* | *PERCENT ASBESTOS FIBERS* | | | | | | *%NON-ASB* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *CHRY* | *AMOS* | *CROC* | *TREM* | *ANTH* | *OTHER* | *NON FIB* | *FIBERS* |
| 17 B | KIA | BLACK SHINGLE | 2520 | *44* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Glass: 10- 15 |
| 17 C | KIA | BLACK SHINGLE | 2520 | *45* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Glass: 10- 15 |
| 18 A | KIA | BLACK FELT | 2520 | *43A* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 18 B | KIA | BLACK FELT | 2520 | *44A* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 18 | KIA | BLACK FELT | 2520 | *45A* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 19 A | KIA | GRAY STUCCO | 2520 | *46* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- |
| 19 B | KIA | GRAY STUCCO | 2520 | *47* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- |
| 19 C | KIA | GRAY STUCCO | 2520 | *48* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- |

AC30

Exhibit A- Pre-Demolition Asbestos Inspection Report

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## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | %NON-ASB | |
|---|---|---|---|---|---|---|---|
| | | | | | CHRY AMOS CROC TREM ANTH OTHER | NON FIB | FIBERS |
| 20 A | KIA | GRAY CONCRETE | 2520 | 49 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 20 B | KIA | GRAY CONCRETE | 2520 | 50 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 20 C | KIA | GRAY CONCRETE | 2520 | 51 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 21 A | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2522 | 52 | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- 15 |
| 21 B | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2524 | 53 | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- 15 |
| 21 C | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2524 | 54 | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- 15 |
| 22 A | KIA | WHITE POPCORN CEILING | 2522 | 55 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |

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**CLIENT:** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

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## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | | | | | | %NON-ASB | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CHRY | AMOS | CROC | TREM | ANTH | OTHER | NON FIB | FIBERS |
| 22 B | KIA | WHITE POPCORN CEILING | 2524 | 56 | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 22 C | KIA | WHITE POPCORN CEILING | 2524 | 57 | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 23 A | KIA | WHITE VINYL | 2524 | 58 | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- 15 |
| 23 B | KIA | WHITE VINYL | 2524 | 59 | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- 15 |
| 23 C | KIA | WHITE VINYL | 2524 | 60 | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- 15 |
| 24 A | KIA | BEIGE VINYL SHEET | 2522 | 61 | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- 15 |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |
| 24 B | KIA | BEIGE VINYL SHEET | 2524 | 62 | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- 15 |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |





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## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | | | | | | %NON-ASB | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CHRY | AMOS | CROC | TREM | ANTH | OTHER | NON FIB | FIBERS |
| 24 C | KIA | BEIGE VINYL SHEET | 2524 | 63 | NO ASBESTOS DETECTED | | | | | | | Cellulose: 10- |
| | | | | | | | | | | | Other: 85- 90 | |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |
| 25 A | KIA | GREY VFT & GLUE | 2522 | 64 | NO ASBESTOS DETECTED | | | | | | | Cellulose: 1- 2 |
| | | | | | | | | | | | Other: 98- 99 | |
| | | | | | NO ASBESTOS DETECTED IN YELLOW GLUE | | | | | | | |
| 25 B | KIA | GREY VFT & GLUE | 2524 | 65 | NO ASBESTOS DETECTED | | | | | | | Cellulose: 1- 2 |
| | | | | | | | | | | | Other: 98- 99 | |
| | | | | | NO ASBESTOS DETECTED IN YELLOW GLUE | | | | | | | |
| 25 C | KIA | GREY VFT & GLUE | 2524 | 66 | NO ASBESTOS DETECTED | | | | | | | Cellulose: 1- 2 |
| | | | | | | | | | | | Other: 98- 99 | |
| | | | | | NO ASBESTOS DETECTED IN YELLOW GLUE | | | | | | | |
| 26 A | KIA | BLACK SHINGLE | 2522 | 67 | NO ASBESTOS DETECTED | | | | | | | Glass: 10- 15 |
| | | | | | | | | | | | Other: 85- 90 | |
| 26 B | KIA | BLACK SHINGLE | 2524 | 68 | NO ASBESTOS DETECTED | | | | | | | Glass: 10- 15 |
| | | | | | | | | | | | Other: 85- 90 | |

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Exhibit A- Pre-Demolition Asbestos Inspection Report

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**CLIENT:** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

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## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | | | | | | %NON-ASB | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CHRY | AMOS | CROC | TREM | ANTH | OTHER | NON FIB | FIBERS |
| 26 C | KIA | BLACK SHINGLE | 2524 | *69* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Glass: 10- 15 |
| 27 A | KIA | BLACK FELT | 2522 | *67A* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 27 B | KIA | BLACK FELT | 2524 | *68A* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 27 C | KIA | BLACK FELT | 2524 | *69A* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 28 A | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2526 | *70* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 28 B | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2528 | *71* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 28 C | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2528 | *72* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |



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## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | | | | | | %NON-ASB | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CHRY | AMOS | CROC | TREM | ANTH | OTHER | NON FIB | FIBERS |
| 29 A | KIA | WHITE POPCORN CEILING | 2526 | 73 | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 29 B | KIA | WHITE POPCORN CEILING | 2528 | 74 | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 29 C | KIA | WHITE POPCORN CEILING | 2528 | 75 | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 30 A | KIA | GRAY GROUT | 2526 | 76 | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 31 | KIA | GRAY THIN SET | 2528 | 77 | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 32 A | KIA | GRAY BLOCK | 2526 | 78 | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 32 B | KIA | GRAY BLOCK | 2528 | 79 | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 32 C | KIA | GRAY BLOCK | 2528 | 80 | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |





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## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | %NON-ASB | |
|---|---|---|---|---|---|---|---|
| | | | | | CHRY AMOS CROC TREM ANTH OTHER | NON FIB | FIBERS |
| 33 A | KIA | BLACK SHINGLE | 2526 | 81 | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |
| 33 B | KIA | BLACK SHINGLE | 2528 | 82 | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |
| 33 C | KIA | BLACK SHINGLE | 2528 | 83 | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |
| 34 A | KIA | BLACK FELT | 2526 | 81A | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- 15 |
| 34 B | KIA | BLACK FELT | 2528 | 82A | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- 15 |
| 34 C | KIA | BLACK FELT | 2825 | 83A | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- 15 |
| 35 A | KIA | WHITE TERRAZZO | 2526 | 84 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 35 B | KIA | WHITE TERRAZZO | 2530 | 85 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |





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## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | %NON-ASB | |
|---|---|---|---|---|---|---|---|
| | | | | | CHRY AMOS CROC TREM ANTH OTHER | NON FIB | FIBERS |
| 35 C | KIA | WHITE TERRAZZO | 2534 | 86 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 36 A | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2530 | 87 | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 36 B | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2532 | 88 | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 36 C | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2532 | 89 | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 37 A | KIA | WHITE CEILING TEXTURE | 2530 | 90 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 37 B | KIA | WHITE CEILING TEXTURE | 2532 | 91 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 37 C | KIA | WHITE CEILING TEXTURE | 2532 | 92 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |





Report Continued on Next Page

**CLIENT:** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

**PROJECT:** MULTIPLE STRUCTURES, OCALA, FL

**Work Order:** T1808058

## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | %NON-ASB | |
|---|---|---|---|---|---|---|---|
| | | | | | CHRY AMOS CROC TREM ANTH OTHER | NON FIB | FIBERS |
| 38 A | KIA | GRAY GROUT | 2520 | 93 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 39 A | KIA | GRAY THIN SET | 2532 | 94 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 40 A | KIA | GRAY BLOCK | 2530 | 95 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 40 B | KIA | GRAY BLOCK | 2532 | 96 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 40 C | KIA | GRAY BLOCK | 2532 | 97 | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |
| 41 A | KIA | BLACK SHINGLE | 2530 | 98 | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |
| 41 B | KIA | BLACK SHINGLE | 2532 | 99 | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |
| 41 C | KIA | BLACK SHINGLE | 2532 | 100 | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |





Report Continued on Next Page

**CLIENT:** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

**PROJECT:** MULTIPLE STRUCTURES, OCALA, FL

**Work Order:** T1808058

## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | %NON-ASB | |
|---|---|---|---|---|---|---|---|
| | | | | | CHRY AMOS CROC TREM ANTH OTHER | NON FIB | FIBERS |
| 42 A | KIA | BLACK FELT | 2530 | *98A* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 42 B | KIA | BLACK FELT | 2532 | *99A* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 42 C | KIA | BLACK FELT | 2532 | *100A* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 43 A | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2534 | *101* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 43 B | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2536 | *102* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 43 C | KIA | WHITE DRYWALL SYSTEM<br>Layer1: NO ASBESTOS DETECTED IN WHITE DRYWALL<br>Layer2: NO ASBESTOS DETECTED IN WHITE JOINT COMPOUND | 2536 | *103* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- |
| 44 A | KIA | BEIGE VINYL SHEET | 2534 FOYER | *104* | NO ASBESTOS DETECTED<br>NO ASBESTOS DETECTED IN BEIGE GLUE | Other: 85- 90 | Cellulose: 10- |

Report Continued on Next Page

**CLIENT:** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

**PROJECT:** MULTIPLE STRUCTURES, OCALA, FL

**Work Order:** T1808058

## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | | | | | | %NON-ASB | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CHRY | AMOS | CROC | TREM | ANTH | OTHER | NON FIB | FIBERS |
| 44 B | KIA | BEIGE VINYL SHEET | 2534 FOYER | 105 | NO ASBESTOS DETECTED | | | | | | | Cellulose: 10- |
| | | | | | | | | | | | Other: 85- 90 | |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |
| 44 C | KIA | BEIGE VINYL SHEET | 2534 FOYER | 106 | NO ASBESTOS DETECTED | | | | | | | Cellulose: 10- 15 |
| | | | | | | | | | | | Other: 85- 90 | |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |
| 45 A | KIA | GRAY GROUT | 2534 | 107 | NO ASBESTOS DETECTED | | | | | | | Cellulose: 1- 2 |
| | | | | | | | | | | | Other: 98- 99 | |
| 46 A | KIA | GRAY THIN SET | 2536 | 108 | NO ASBESTOS DETECTED | | | | | | | Cellulose: 1- 2 |
| | | | | | | | | | | | Other: 98- 99 | |
| 47 A | KIA | YELLOW VINYL SHEET | 2536 FOYER | 109 | NO ASBESTOS DETECTED | | | | | | | Cellulose: 15- |
| | | | | | | | | | | | Other: 80- 85 | |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |
| 47 B | KIA | YELLOW VINYL SHEET | 2536 FOYER | 110 | NO ASBESTOS DETECTED | | | | | | | Cellulose: 15- |
| | | | | | | | | | | | Other: 80- 85 | |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |





Report Continued on Next Page

**CLIENT:** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

**PROJECT:** MULTIPLE STRUCTURES, OCALA, FL

**Work Order:** T1808058

## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | | | | | | %NON-ASB | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | CHRY | AMOS | CROC | TREM | ANTH | OTHER | NON FIB | FIBERS |
| 47 C | KIA | YELLOW VINYL SHEET | 2536 FOYER | *111* | NO ASBESTOS DETECTED | | | | | | Other: 80- 85 | Cellulose: 15- 20 |
| | | | | | NO ASBESTOS DETECTED IN BEIGE GLUE | | | | | | | |
| 48 A | KIA | WHITE POPCORN CEILING | 2534 | *112* | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 48 B | KIA | WHITE POPCORN CEILING | 2536 | *113* | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 48 C | KIA | WHITE POPCORN CEILING | 2536 | *114* | 2 - 5 | | | | | | Other: 93- 97 | Cellulose: 1- 2 |
| 49 A | KIA | GRAY BLOCK | 2534 | *115* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 49 B | KIA | GRAY BLOCK | 2536 | *116* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 49 C | KIA | GRAY BLOCK | 2536 | *117* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |





Report Continued on Next Page

***CLIENT:*** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

***PROJECT:*** MULTIPLE STRUCTURES, OCALA, FL

***Work Order:*** T1808058

## *LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED*

| *Dash No.* | *ANA* | *DESCRIPTION* | *LOCATION* | *Sample No.* | *PERCENT ASBESTOS FIBERS* | | | | | | *%NON-ASB* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *CHRY* | *AMOS* | *CROC* | *TREM* | *ANTH* | *OTHER* | *NON FIB* | *FIBERS* |
| 50 A | KIA | BLACK SHINGLE | 2534 | *118* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Glass: 10- 15 |
| 50 B | KIA | BLACK SHINGLE | 2536 | *119* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Glass: 10- 15 |
| 50 C | KIA | BLACK SHINGLE | 2536 | *120* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Glass: 10- 15 |
| 51 A | KIA | BLACK FELT | 2534 | *118A* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 51 | KIA | BLACK FELT | 2536 | *119A* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 51 C | KIA | BLACK FELT | 2536 | *120A* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 52 A | KIA | WHITE DRYWALL | SHED | *121* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |
| 52 B | KIA | WHITE DRYWALL | SHED | *122* | NO ASBESTOS DETECTED | | | | | | Other: 85- 90 | Cellulose: 10- |

Report Continued on Next Page

**CLIENT:** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

**PROJECT:** MULTIPLE STRUCTURES, OCALA, FL

**Work Order:** T1808058

## LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

| Dash No. | ANA | DESCRIPTION | LOCATION | Sample No. | PERCENT ASBESTOS FIBERS | %NON-ASB | |
|---|---|---|---|---|---|---|---|
| | | | | | CHRY AMOS CROC TREM ANTH OTHER | NON FIB | FIBERS |
| 52 C | KIA | WHITE DRYWALL | SHED | *123* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- 15 |
| 53 A | KIA | BLACK SHINGLE | SHED ROOF | *124* | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |
| 53 B | KIA | BLACK SHINGLE | SHED ROOF | *125* | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |
| 53 C | KIA | BLACK SHINGLE | SHED ROOF | *126* | NO ASBESTOS DETECTED | Other: 85- 90 | Glass: 10- 15 |
| 54 A | KIA | BLACK FELT | SHED ROOF | *124A* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- 15 |
| 54 B | KIA | BLACK FELT | SHED ROOF | *125A* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- 15 |
| 54 C | KIA | BLACK FELT | SHED ROOF | *126A* | NO ASBESTOS DETECTED | Other: 85- 90 | Cellulose: 10- 15 |
| 55 A | KIA | GRAY CONCRETE | SHED SLAB | *127* | NO ASBESTOS DETECTED | Other: 98- 99 | Cellulose: 1- 2 |

Report Continued on Next Page

***CLIENT:*** CITY OF OCALA -GROWTH MANAGEMENT DEPARTMENT

***PROJECT:*** MULTIPLE STRUCTURES, OCALA, FL

***Work Order:*** T1808058

## *LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED*

| *Dash No.* | *ANA* | *DESCRIPTION* | *LOCATION* | *Sample No.* | *PERCENT ASBESTOS FIBERS* | | | | | | *%NON-ASB* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *CHRY* | *AMOS* | *CROC* | *TREM* | *ANTH* | *OTHER* | *NON FIB* | *FIBERS* |
| 55 B | KIA | GRAY CONCRETE | SHED SLAB | *128* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |
| 55 C | KIA | GRAY CONCRETE | SHED SLAB | *129* | NO ASBESTOS DETECTED | | | | | | Other: 98- 99 | Cellulose: 1- 2 |





*Quality Control Officer*

**Analytical results pertain only to the sample(s) analyzed. All Samples analyzed were acceptable for analysis.**

ABBREVIATIONS: ANA = Analyst; ASB = Asbestos; CHRY = Chrysotile; AMOS = Amosite; CROC = Crocidolite; TERM = Term/Act; ANTH = Anthophylite; ACT = Actinolite; AL = Aluminum; BLK = Black; BACK = Backing; BL = Blue; BRN = Brown; C = Cellulose; CALC = Calcareous; CPT = Carpet; CTL = Ceiling Tile; CEM = Cement; COV = Cover; DEB = Debris; FG = Fiberglass; FIB = Fibrous; MAS = Mastic; MAT = Material; MIC = Micaceous; MW = Mineral Wool; ORG = Orange; PAI = Paint; PAP = Paper; PL = Plaster; PLAS = Plastic; PWDR = Powder; RCF = Refractory Ceramic Fiber; RUB = Rubber; SIL = Silver; SR = Sheet Rock; S = Synthetic; SUB = Substance; TEXT = Textured; TR = Trace; TRAN = Transite; TREM = Tremolite; VERM = Vermiculite; VYL = Vinyl; W = Wollastonite; WH = White; YEL = Yellow.

EE&G Environmental Services, LLC
5005 West Laurel Street, Suite 110
Tampa, Florida 33607

# BULK TRANSMITTAL FORM
## CHAIN OF CUSTODY 2514 SW 27th Ave

CLIENT: City of Ocala
CLIENT CONTACT: Greg McClellan
DATE COLLECTED: 8-17-18
DATE SENT:
STOP AT FIRST POSITIVE: (Y) N (circle one)

PROJECT: 6 Structures
PROJECT NUMBER: 2018-4418
PHASE/TASK: Asb Surv - Demo
DATE VERBAL NEEDED:
DATE WRITTEN NEEDED:

SAMPLE PREFIX

| SAMPLE NUMBER | COLOR | SAMPLE DESCRIPTION | SAMPLE LOCATION |
|---|---|---|---|
| 1. 01 | White | Drywall system | 2514 |
| 2. 02 | ↓ | ↓ | 2516 |
| 3. 03 | ↓ | ↓ | ↓ |
| 4. 04 | Brown | Vinyl sheet | 2514 Kitchen |
| 5. 05 | ↓ | ↓ | Bathroom |
| 6. 06 | ↓ | ↓ | ↓ |
| 7. 07 | White | Popcorn ceiling | 2514 |
| 8. 08 | ↓ | ↓ | 2516 |
| 9. 09 | ↓ | ↓ | ↓ |
| 10. 10 | Yellow | Vinyl sheet | 2516 |
| 11. 11 | ↓ | ↓ | Bathroom |
| 12. 12 | ↓ | ↓ | ↓ |
| 13. 13 | Beige | Vinyl sheet | 2516 |
| 14. 14 | ↓ | ↓ | Foyer |
| 15. 15 | ↓ | ↓ | ↓ |
| 16. 16 | Gray | Stucco | Exterior (Top) |
| 17. 17 | ↓ | ↓ | ↓ |
| 18. 18 | ↓ | ↓ | ↓ |
| 19. 19 | Red | Stucco | Exterior (Bottom) |
| 20. 20 | ↓ | ↓ | ↓ |
| 21 | ↓ | ↓ | ↓ |

| CHAIN OF CUSTODY: DATE/TIME | PRINT NAME/SIGNATURE | PURPOS |
|---|---|---|
| 8/17/18 | Tom Derby/Tom Derby | C T |
| | | C T |
| | | C T |

C= Collection T= Transportation A= Analysis

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**EE&G** CONTINUATION OF EXHIBIT A TO Demolition Asbestos Inspection Report Page 2 of

BULK TRANSMITTAL FORM
CHAIN OF CUSTODY

CLIENT: City of Ocala

SAMPLE PREFIX _____

PROJECT NUMBER: 2018-449

| | SAMPLE NUMBER | COLOR | SAMPLE DESCRIPTION | SAMPLE LOCATION |
|---|---|---|---|---|
| 1. | 22 | Black | Shingle & felt | 2514 |
| 2. | 23 | ↓ | ↓ | 2516 |
| 3. | 24 | ↓ | ↓ | ↓ |
| 4. | 25 | Grey | Concrete | 2514 |
| 5. | 26 | ↓ | ↓ | 2516 |
| 6. | 27 | ↓ | ↓ | ↓ |
| 7. | 28 | Beige | 9x9 VFT and | 2520 |
| 8. | 29 | ↓ | black mastic | ↓ |
| 9. | 30 | ↓ | ↓ | ↓ |
| 10. | 31 | Yellow | Vinyl sheet | 2520 |
| 11. | 32 | ↓ | ↓ | Back hall |
| 12. | 33 | ↓ | ↓ | ↓ |
| 13. | 34 | White | Drywall system | 2520 |
| 14. | 35 | ↓ | ↓ | ↓ |
| 15. | 36 | ↓ | ↓ | ↓ |
| 16. | 37 | White | Popcorn ceiling | 2520 |
| 17. | 38 | ↓ | ↓ | ↓ |
| 18. | 39 | ↓ | ↓ | ↓ |
| 19. | 40 | Black | Roll roof | 2520 |
| 20. | 41 | ↓ | | ↓ |
| 21. | 42 | ↓ | | ↓ |
| 22. | 43 | Black | Shingle & felt | 2520 |
| 23. | 44 | ↓ | ↓ | ↓ |
| 24. | 45 | ↓ | ↓ | ↓ |
| 25. | 46 | Grey | Stucco | ↓ |
| 26. | 47 | ↓ | ↓ | ↓ |
| 27. | 48 | ↓ | ↓ | ↓ |
| 28. | 49 | Grey | Concrete | ↓ |
| 29. | 50 | ↓ | ↓ | ↓ |
| 30. | 51 | ↓ | | ↓ |
| 31. | | | | |
| 32. | | | | |
| 33. | | | | |
| 34. | | | | |
| 35. | | | | |

| CHAIN OF CUSTODY: DATE/TIME | PRINT NAME/SIGNATURE | PURPOSE |
|---|---|---|
| 8/17/18 | Tom Derby / Tom Derby | C T A |
| | | C T A |
| | | C T A |

C= Collection T= Transportation A= Analysis

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**EE&G** EXPANSION OF Demolition Asbestos Inspection Report 

*BULK TRANSMITTAL FORM*
*CHAIN OF CUSTODY*

CLIENT: City of Ocala

SAMPLE PREFIX _____

PROJECT NUMBER: 2018-4419

Beige Vinyl Sheet

Grey VFT + glue

| | SAMPLE NUMBER | COLOR | SAMPLE DESCRIPTION | SAMPLE LOCATION |
|---|---|---|---|---|
| 1. | 52 | White | Drywall system | 2522 |
| 2. | 53 | ↓ | ↓ | 2524 |
| 3. | 54 | ↓ | ↓ | ↓ |
| (4.) | 55 | White | Popcorn ceiling | 2522 |
| 5. | 56 | ↓ | ↓ | 2524 |
| 6. | 57 | ↓ | ↓ | ↓ |
| 7. | 58 | White | Vinyl | 2524 |
| 8. | 59 | ↓ | | ↓ |
| 9. | 60 | ↓ | | |
| 10. | 61 | Gray | Stucco | 2522 |
| 11. | 62 | ↓ | ↓ | 2524 |
| 12. | 63 | ↓ | ↓ | ↓ |
| 13. | 64 | Red | Stucco | 2522 |
| 14. | 65 | ↓ | ↓ | 2524 |
| 15. | 66 | ↓ | ↓ | ↓ |
| (16.) | 67 | Black | Shingle + felt | 2522 |
| 17. | 68 | ↓ | ↓ | 2524 |
| 18. | 69 | ↓ | ↓ | ↓ |
| 19. | 70 | White | Drywall system | 2526 |
| 20. | 71 | ↓ | ↓ | 2528 |
| 21. | 72 | ↓ | ↓ | ↓ |
| 22. | 73 | White | Popcorn ceiling | 2526 |
| 23. | 74 | ↓ | ↓ | 2528 |
| 24. | 75 | ↓ | ↓ | ↓ |
| 25. | 76 | Gray | Grout | 2526 |
| 26. | 77 | Gray | Thin set | 2528 |
| 27. | 78 | Gray | Block | 2526 |
| 28. | 79 | ↓ | ↓ | 2528 |
| 29. | 80 | ↓ | ↓ | ↓ |
| (30) | 81 | Black | Shingle + felt | 2526 |
| 31. | 82 | ↓ | ↓ | 2528 |
| 32. | 83 | ↓ | ↓ | ↓ |
| 33. | 84 | White | Terrazzo | 2526 |
| 34. | 85 | ↓ | ↓ | 2530 |
| 35. | 86 | ↓ | ↓ | 2534 |

| CHAIN OF CUSTODY: DATE/TIME | PRINT NAME/SIGNATURE | PURPOSE |
|---|---|---|
| 8/17/18 | Tom Decky / Tom Decky | C T A<br>C T A<br>C T A |

C= Collection T= Transportation A= Analysis

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**EE&G** CONTINUATION OF Demolition Asbestos Inspection Report Page 4 of 5

BULK TRANSMITTAL FORM
CHAIN OF CUSTODY

CLIENT: City of Ocala

SAMPLE PREFIX _____ PROJECT NUMBER: 2018-4419

| | SAMPLE NUMBER | COLOR | SAMPLE DESCRIPTION | SAMPLE LOCATION |
|---|---|---|---|---|
| 1. | 87 | White | Drywall system | 2530 |
| 2. | 88 | ↓ | ↓ | 2532 |
| 3. | 89 | ↓ | ↓ | ↓ |
| 4. | 90 | White | Ceiling texture | 2530 |
| 5. | 91 | ↓ | ↓ | 2532 |
| 6. | 92 | ↓ | ↓ | ↓ |
| 7. | 93 | Gray | Grout | 2530 |
| 8. | 94 | Gray | Thin set | 2532 |
| 9. | 95 | Gray | Block | 2530 |
| 10. | 96 | ↓ | ↓ | 2532 |
| 11. | 97 | ↓ | ↓ | ↓ |
| 12. | 98 | Black | Shingle felt | 2530 |
| 13. | 99 | ↓ | ↓ | 2532 |
| 14. | 100 | ↓ | ↓ | ↓ |
| 15. | 101 | White | Drywall system | 2534 |
| 16. | 102 | ↓ | ↓ | 2536 |
| 17. | 103 | ↓ | ↓ | ↓ |
| 18. | 104 | Beige | Vinyl sheet | 2534 foyer |
| 19. | 105 | ↓ | ↓ | ↓ |
| 20. | 106 | ↓ | ↓ | ↓ |
| 21. | 107 | Gray | Grout | 2534 |
| 22. | 108 | Gray | Thin set | 2536 |
| 23. | 109 | Yellow | Vinyl sheet | 2536 foyer |
| 24. | 110 | ↓ | ↓ | ↓ |
| 25. | 111 | ↓ | ↓ | ↓ |
| 26. | 112 | White | Popcorn ceiling | 2534 |
| 27. | 113 | ↓ | ↓ | 2536 |
| 28. | 114 | ↓ | ↓ | ↓ |
| 29. | 115 | Gray | Block | 2534 |
| 30. | 116 | ↓ | ↓ | 2536 |
| 31. | 117 | ↓ | ↓ | ↓ |
| 32. | 118 | Black | Shingle & felt | 2534 |
| 33. | 119 | ↓ | ↓ | 2536 |
| 34. | 120 | ↓ | ↓ | ↓ |
| 35. | | | | |

CHAIN OF CUSTODY:

| DATE/TIME | PRINT NAME/SIGNATURE | PURPOSE |
|---|---|---|
| 8/17/18 | Tom Derby/Tom Derby | C T A |
| | | C T A |
| | | C T A |

C= Collection T= Transportation A= Analysis

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Exhibit A Pre-Demolition Asbestos Inspection Report JI8080S8 Page 5 of 5

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CONTINUATION OF
BULK TRANSMITTAL FORM
CHAIN OF CUSTODY

CLIENT: City of Ocala

SAMPLE PREFIX _____

PROJECT NUMBER: _____

| SAMPLE NUMBER | COLOR | SAMPLE DESCRIPTION | SAMPLE LOCATION |
|---|---|---|---|
| 1. 121 | White | Drywall | Shed |
| 2. 122 | ↓ | ↓ | ↓ |
| 3. 123 | ↓ | ↓ | ↓ |
| 4. 124 | Black | Shingle & felt | Shed roof |
| 5. 125 | ↓ | ↓ | ↓ |
| 6. 126 | ↓ | ↓ | ↓ |
| 7. 127 | Gray | Concrete | Shed Slab |
| 8. 128 | ↓ | ↓ | ↓ |
| 9. 129 | ↓ | ↓ | ↓ |
| 10. | | | |
| 11. | | | |
| 12. | | | |
| 13. | | | |
| 14. | | | |
| 15. | | | |
| 16. | | | |
| 17. | | | |
| 18. | | | |
| 19. | | | |
| 20. | | | |
| 21. | | | |
| 22. | | | |
| 23. | | | |
| 24. | | | |
| 25. | | | |
| 26. | | | |
| 27. | | | |
| 28. | | | |
| 29. | | | |
| 30. | | | |
| 31. | | | |
| 32. | | | |
| 33. | | | |
| 34. | | | |
| 35. | | | |

CHAIN OF CUSTODY:

| DATE/TIME | PRINT NAME/SIGNATURE | PURPOSE |
|---|---|---|
| 8/17/18 | Tom Derby/Gary Dewey | C T A |
| | | C T A |
| | | C T A |

C= Collection T= Transportation A= Analysis

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BY: _____

## APPENDIX C

## CERTIFICATE

# M·E·T·A

Mayhew Environmental Training Associates

INCORPORATED

Certificate # ME328583633937488

# Thomas Derby

*has on 4/9/2018, in Tampa, FL*
*completed the requirements for asbestos accreditation under Section 206 of TSCA Title II, 15 USC 2646*

## 4-hr. Asbestos Building Inspector Refresher

*as approved by FL*
*and the US EPA under 40 CFR 763 (AHERA)*
*from 4/9/2018 to 4/9/2018 and passed the associated exam on 4/9/2018*
*with a score of at least 70%*

KANSAS MAYHEW INC. 1987 EST. 1985 ENVIRONMENTAL TRAINING ASSOCIATES SAFETY IN GOD ALONE

*Bill Young*
*Instructor*

*Thomas Mayhew*
*President*

Training Provider #: FL49-0001221
Course #: 180409ASBIRFL801

SSN: XXX-XX-3433
Expiration: 4/9/2019

P.O. Box 786 - Lawrence, KS. 66044 - 800.444.6382
www.metaenvironmental.net

**United States Department of Commerce**
**National Institute of Standards and Technology**

NVLAP®

# Certificate of Accreditation to ISO/IEC 17025:2005

**NVLAP LAB CODE: 101775-0**

## American Asbestos Laboratories, Inc.

Tampa, FL

*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).*

2018-04-01 through 2019-03-31

*Effective Dates*

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

*For the National Voluntary Laboratory Accreditation Program*

**STATE OF FLORIDA**
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

ASBESTOS LICENSING UNIT
2601 BLAIR STONE ROAD
TALLAHASSEE FL 32399-0783

(850) 487-1395

LENTZ, TIMOTHY DAVID
INDIVIDUAL
5751 MIAMI LAKES DRIVE EAST
MIAMI LAKES FL 33014

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AX84 ISSUED: 09/12/2016

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LENTZ, TIMOTHY DAVID
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**STATE OF FLORIDA**
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**
**ASBESTOS LICENSING UNIT**

| LICENSE NUMBER |
|---|
| AX84 |

The ASBESTOS CONSULTANT
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2018

LENTZ, TIMOTHY DAVID
INDIVIDUAL
4017 WEST LAND AVENUE
TAMPA FL 33616



ISSUED: 09/12/2016 DISPLAY AS REQUIRED BY LAW SEQ # L1609120002031

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

# STATE OF FLORIDA
# DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

## ASBESTOS LICENSING UNIT

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# EE & G ENVIRONMENTAL SERVICES LLC

JAY W SALL
5751 MIAMI LAKES DRIVE EAST
MIAMI LAKES FL 33014

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