DEMOLITION
ASBESTOS SURVEY REPORT

Douglas Park – Recreation Center
And Restroom Buildings
2795 Southwest 37th Avenue
Miami, Florida

GLE Project No.: 15000-15496

Prepared for:

SCS Engineers
1900 Northwest Corporate Boulevard, Suite W110
Boca Raton, Florida 33431

October 2015

Prepared by:

1000 NW 65th Street, Suite 100
Ft. Lauderdale, Florida 33309
754-223-2697 • Fax 754-223-2937

October 5, 2015

Ms. Brittany Odom
SCS Engineers
1900 Northwest Corporate Boulevard, Suite W110
Boca Raton, Florida 33431

RE: Demolition Asbestos Survey Report
Douglas Park – Recreation Center and Restroom Buildings
Miami, Florida

GLE Project No.: 15000-15496

Dear Ms. Odom:

GLE Associates, Inc. (GLE) performed a demolition survey for asbestos-containing materials (ACM) on September 28, 2015, at Douglas Park Recreation and Restroom buildings, located in Miami, Florida. The survey was performed by Mr. Brandon Christensen with GLE. This report outlines the sampling and testing procedures, and presents the results along with our conclusions and recommendations.

GLE appreciates the opportunity to serve as your consultant on this project. If you should have any questions, or if we can be of further service, please do not hesitate to call.

Sincerely,
GLE Associates, Inc.

Brandon Christensen
Environmental Scientist

Robert B. Greene, PE, PG, CIH, LEED AP
Asbestos Consultant, EA 0000009

BSC/RBG/el

H:\Work\ASB\15000\15496 SCS 2795 SW 37th Ave. ACM Demolition Survey\Report\SurveyReport-Douglas Park.doc

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1.0 INTRODUCTION

1.1 INTRODUCTION

The purpose of this demolition survey was to identify accessible asbestos-containing materials (ACMs) and their general locations within the recreation building and restroom building, located at 2795 Southwest 37th Avenue in Miami, Florida. The survey was conducted pursuant to National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR 61) requirements, associated with the scheduled demolition plans. The survey was performed on September 28, 2015, by Mr. Brandon Christensen, an Environmental Protection Agency/Asbestos Hazard Emergency Response Act (EPA/AHERA) accredited inspector. The scope of this survey did not include demolition of any building components, evaluation of architectural plans, or the quantification of materials for abatement purposes, or removal cost estimating.

1.2 FACILITY DESCRIPTION

A summary of the facility investigated is outlined in the table below.

Recreation Center

Facility Type:	Commercial
Construction Date:	1953
Number of Floors:	1
Structural	
Foundation:	Concrete Slab
Wall Support:	Concrete Block
Exterior Finish:	Paint, Stucco
Roof Support:	Wood Frame
Roof System Type:	Rolled Roofing
Mechanical/Plumbing	
HVAC Type:	Reverse Cycle Wall Mounted Units
Duct Type:	NA
Pipe Insulation:	NA
Interior	
Wall Substrate:	Plaster
Wall Finishes:	Paint
Floor Substrate:	Concrete
Floor Finishes:	Ceramic Tile, Terrazzo
Ceiling System:	Wood
Ceiling Finishes:	Paint

Restroom Building

Facility Type:	Commercial
Construction Date:	1953
Number of Floors:	1
Structural	
Foundation:	Concrete Slab
Wall Support:	Concrete Block
Exterior Finish:	Paint, Stucco
Roof Support:	Wood Frame
Roof System Type:	Rolled Roofing
Mechanical/Plumbing	
HVAC Type:	NA
Duct Type:	NA
Pipe Insulation:	NA
Interior	
Wall Substrate:	Plaster
Wall Finishes:	Paint, Ceramic Tile
Floor Substrate:	Concrete
Floor Finishes:	Ceramic Tile
Ceiling System:	Wood
Ceiling Finishes:	Paint

2.0 RESULTS

2.1 ASBESTOS SURVEY PROCEDURES

The survey was performed by visually observing accessible areas of the building. EPA/AHERA accredited inspectors performed the visual observations (refer to Appendix B for personnel qualifications).

After the overall visual survey was completed, representative sampling areas were determined. The surveyors delineated homogeneous areas of suspect materials and samples of each material were obtained, in general accordance with regulations as established by the Occupational Safety and Health Administration (OSHA) and NESHAP. The field surveyors determined sample locations based on previous experience. Both friable and non-friable materials were sampled. A friable material is one that can be crushed when dry by normal hand pressure. This survey did not include the demolition of building components to access suspect material.

After completion of the fieldwork, the samples were delivered to GLE's National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory for analysis. The samples were analyzed by Polarized Light Microscopy (PLM) coupled with dispersion staining, in general accordance with EPA-600/R-93/116. Utilizing this procedure, the various asbestos

minerals (chrysotile, amosite, crocidolite, actinolite, tremolite, and anthophyllite) can be determined. The percentages of asbestos minerals in the samples were visually determined by the microscopist. Please note that the EPA designates all materials containing greater than 1% asbestos as an “asbestos-containing material” (ACM).

Regulated Asbestos-Containing Material (RACM) is defined as (a) Friable asbestos materials, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

Category I and Category II non-friable ACM, as defined by the EPA:

- Category I non-friable ACM means asbestos-containing packings, gaskets, resilient floor covering, asphalt roofing products, and pliable sealants and mastics that are in good condition and not friable, containing more than 1 percent asbestos, as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, PLM.

- Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos as determined using the methods specified in Appendix E, Subpart E, 40 CFR Part 763 Section 1, PLM that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

2.2 IDENTIFIED SUSPECT ASBESTOS-CONTAINING MATERIALS

A total of 63 samples of suspect building materials were collected from the facilities during the survey, representing 21 different homogeneous areas. The results of the laboratory analyses are included in Appendix A, Photographs of the various materials sampled are included in Appendix C.

A summary of the homogenous sampling areas of suspect ACM determined to be present is outlined in the following table:

TABLE 2.2-1: SUMMARY OF HOMOGENEOUS SAMPLING AREAS DOUGLAS PARK – RECREATION CENTER 2795 SOUTHWEST 37TH AVENUE, MIAMI, FLORIDA							
HA #	**HOMOGENEOUS MATERIAL DESCRIPTION**	**HOMOGENEOUS MATERIAL LOCATION**	**FRIABILITY (F /NF)**	**% ASBESTOS***	**# OF SAMPLES COLLECTED**	**APPROXIMATE QUANTITY**	**ACM CATEGORY**
M-01	Grey Caulk	A/C Wall Mount Units	NF	ND	3	NA	NA
M-02	Grey Concrete Slab	Building Slab	NF	ND	3	NA	NA
M-03	Grey CMU Block	Perimeter and Interior Walls	NF	ND	3	NA	NA
M-04	Grey CMU Mortar	Perimeter and Interior Walls	NF	ND	3	NA	NA
M-05	Yellow Caulk at Roof	Roof Flashing Screws	NF	ND	3	NA	NA
PL-01	Grey Interior Plaster Wall	Interior Walls	NF	ND	3	NA	NA
PL-02	Grey Exterior Stucco Finish	Exterior Walls	NF	ND	3	NA	NA
R-01	Black Rolled Roof	Roof	NF	ND	3	NA	NA
RF-01	Black Roof Flashing	Roof	NF	ND	3	NA	NA
R-02	Black Rolled Roof	Walkway Roof	NF	ND	3	NA	NA
RF-02	Black Roof Flashing	Walkway Roof	NF	ND	3	NA	NA

TABLE 2.2-2: SUMMARY OF HOMOGENEOUS SAMPLING AREAS DOUGLAS PARK – RESTROOM BUILDING 2795 SOUTHWEST 37TH AVENUE, MIAMI, FLORIDA							
HA #	**HOMOGENEOUS MATERIAL DESCRIPTION**	**HOMOGENEOUS MATERIAL LOCATION**	**FRIABILITY (F /NF)**	**% ASBESTOS***	**# OF SAMPLES COLLECTED**	**APPROXIMATE QUANTITY**	**ACM CATEGORY**
M-01	White Tile Grout	Men's and Women's Restroom	NF	ND	3	NA	NA
M-02	Grey Concrete Slab	Building Slab	NF	ND	3	NA	NA
M-03	Grey CMU Block	Perimeter and Interior Walls	NF	ND	3	NA	NA
M-04	Grey CMU Mortar	Perimeter and Interior Walls	NF	ND	3	NA	NA
M-05	Red Pipe Flange Gasket	Mechanical Room	NF	ND	3	NA	NA
M-06	Blue Pipe Flange Gasket	Mechanical Room	NF	ND	3	NA	NA
PL-01	Grey Interior Plaster Wall	Interior Walls	NF	ND	3	NA	NA

ASBESTOS CONTENT Expressed as percent	* = The facility owner has the option of point-counting by polarized light microscopy (PLM) those RACM whose asbestos content is less than 10% in order to more accurately determine the asbestos content therein.				
	PC = Results based on Point-Count analysis				
FRIABILITY	F = Friable Material	NF = Non-Friable Material			
ACM CATEGORY	RACM = Regulated ACM	CAT I = Category I non-friable ACM	CAT II = Category II non-friable ACM		
ABBREVIATIONS:	NA = Not Applicable	ND = None Detected	NIS = Not in Scope	C = Chrysotile	A = Amosite
	HA = Homogeneous Area	SF = Square Feet	LF = Linear Feet	CF = Cubic Feet	

TABLE 2.2-2: SUMMARY OF HOMOGENEOUS SAMPLING AREAS DOUGLAS PARK – RESTROOM BUILDING 2795 SOUTHWEST 37TH AVENUE, MIAMI, FLORIDA							
HA #	**HOMOGENEOUS MATERIAL DESCRIPTION**	**HOMOGENEOUS MATERIAL LOCATION**	**FRIABILITY (F /NF)**	**% ASBESTOS***	**# OF SAMPLES COLLECTED**	**APPROXIMATE QUANTITY**	**ACM CATEGORY**
PL-02	Grey Exterior Stucco Finish	Exterior Walls	NF	ND	3	NA	NA
R-01	Black Rolled Roof	Roof	NF	ND	3	NA	NA
RF-01	Black Roof Flashing	Roof	NF	ND	3	NA	NA

ASBESTOS CONTENT Expressed as percent	* = The facility owner has the option of point-counting by polarized light microscopy (PLM) those RACM whose asbestos content is less than 10% in order to more accurately determine the asbestos content therein.				
	PC = Results based on Point-Count analysis				
FRIABILITY	F = Friable Material	NF = Non-Friable Material			
ACM CATEGORY	RACM = Regulated ACM	CAT I = Category I non-friable ACM	CAT II = Category II non-friable ACM		
ABBREVIATIONS:	NA = Not Applicable	ND = None Detected	NIS = Not in Scope	C = Chrysotile	A = Amosite
	HA = Homogeneous Area	SF = Square Feet	LF = Linear Feet	CF = Cubic Feet	

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 GENERAL

No asbestos-containing materials were identified in the scope of this survey.

4.0 LIMITATIONS AND CONDITIONS

As a result of previous renovations, there may be hidden materials, such as floor tile, sheet vinyl flooring, insulation, etc. These materials may be found in various areas hidden under existing flooring materials or in wall cavities. Any materials found during construction activities, either not addressed in this survey report, or similar to the ACM identified in this survey report should be assumed to be ACM until sampling and analysis documents otherwise.

Because of the hidden nature of many building components (i.e. within mechanical chases), it may be impossible to determine if all of the suspect building materials have been located and subsequently tested. Destructive testing in some instances is not a viable option. We cannot, therefore, guarantee that all potential ACM has been located. For the same reasons, estimates of quantities and/or conditions are subject to readily apparent situations, and our findings reflect this condition. We do warrant, however, that the investigations and methodology reflect our best efforts based upon the prevailing standard of care in the environmental industry.

The Florida Department of Environmental Protection (FDEP) has issued an interpretation regarding the testing of concrete flooring, walls and roofing materials, which states that “if concrete will be recycled or reused, the concrete must be sampled and analyzed for the presence of asbestos prior to the commencement of activities that may release asbestos fibers into the environment”, and that “all of the different layers or types of concrete in a sample must be analyzed, individually, using the method specified in Appendix E, subpart E, 40 CFR Part 763, Section 1, Polarized Light Microscopy, with point-counting”, as applicable.

The information contained in this report was prepared based upon specific parameters and regulations in force at the time of this report. The information herein is only for the specific use of the client and GLE. GLE accepts no responsibility for the use, interpretation, or reliance by other parties on the information contained herein, unless prior written authorization has been obtained from GLE.

APPENDIX A
Analytical Results and Chain of Custody

SUMMARY OF BULK SAMPLE ANALYSIS

SCS Engineers; Douglas Park - Recreation Building

15000-15496

Sample	Sample Type		Fiber Type
M-01A	Gray Caulking	100%	Polymer, Quartz, Calcite, Clay, Mica
M-01B	Gray Caulking	100%	Polymer, Quartz, Calcite, Clay, Mica
M-01C-QC	Gray Caulking	100%	Polymer, Quartz, Calcite, Clay, Mica
M-02A	Gray Concrete Slab	100%	Quartz, Calcite, Clay, Mica
M-02B	Gray Concrete Slab	100%	Quartz, Calcite, Clay, Mica
M-02C	Gray Concrete Slab	100%	Quartz, Calcite, Clay, Mica
M-03A	Gray CMU Block	100%	Quartz, Calcite, Clay, Mica
M-03B	Gray CMU Block	100%	Quartz, Calcite, Clay, Mica
M-03C	Gray CMU Block	100%	Quartz, Calcite, Clay, Mica
M-04A	Gray CMU Mortar	100%	Quartz, Calcite, Clay, Mica
M-04B	Gray CMU Mortar	100%	Quartz, Calcite, Clay, Mica
M-04C	Gray CMU Mortar	100%	Quartz, Calcite, Clay, Mica
M-05A-QC	Yellow Caulk at Roof	100%	Polymer
M-05B	Yellow Caulk at Roof	100%	Polymer
M-05C	Yellow Caulk at Roof	100%	Polymer
PL-01A	Gray Interior Plaster Wall	100%	Quartz, Calcite, Clay, Mica

Analyst / Approved Signatory:

Darryl Neldner

* Polarized Light Microscopy coupled with dispersion is the technique used for identification in accordance with EPA 600/M4-82-020, EPA 600/R-93/116, and NIOSH Method 9002.

** The percentage of each component is visually estimated. The result of this analysis relate only to the material tested. The report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. (>1% greater than one percent, <1% less than one percent) QC - Sample reanalyzed for QA/QC.

*** This report shall not be reproduced except in full, without the written approval of the laboratory. GLE Report # 19065

Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 10/2/2015

SUMMARY OF BULK SAMPLE ANALYSIS

SCS Engineers; Douglas Park - Recreation Building

15000-15496

Sample	Sample Type	Fiber Type	
PL-01B	Gray Interior Plaster Wall	100%	Quartz, Calcite, Clay, Mica
PL-01C	Gray Interior Plaster Wall	100%	Quartz, Calcite, Clay, Mica
PL-02A	Gray Exterior Stucco Finish	100%	Polymer, Quartz, Calcite, Clay, Mica
PL-02B	Gray Exterior Stucco Finish	100%	Polymer, Quartz, Calcite, Clay, Mica
PL-02C	Gray Exterior Stucco Finish	100%	Polymer, Quartz, Calcite, Clay, Mica
R-01A	Black Rolled Roof	100%	Bitumen, Quartz, Calcite, Mica
R-01B-QC	Black Rolled Roof	100%	Bitumen, Quartz, Calcite, Mica
R-01C	Black Rolled Roof	100%	Bitumen, Quartz, Calcite, Mica
RF-01A	Black Roof Flashing	100%	Bitumen
RF-01B	Black Roof Flashing	100%	Bitumen
RF-01C	Black Roof Flashing	100%	Bitumen
R-02A	Black Rolled Roof	100%	Bitumen, Quartz, Calcite, Mica
R-02B	Black Rolled Roof	100%	Bitumen, Quartz, Calcite, Mica
R-02C	Black Rolled Roof	100%	Bitumen, Quartz, Calcite, Mica
RF-02A	Black Roof Flashing	100%	Bitumen

Analyst / Approved Signatory:

Darryl Neldner

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Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

SUMMARY OF BULK SAMPLE ANALYSIS

SCS Engineers; Douglas Park - Recreation Building

15000-15496

Sample	Sample Type	Fiber Type	
RF-02B	Black Roof Flashing	100%	Bitumen
RF-02C-QC	Black Roof Flashing	100%	Bitumen

Analyst / Approved Signatory:

Darryl Neldner

* Polarized Light Microscopy coupled with dispersion is the technique used for identification in accordance with EPA 600/M4-82-020, EPA 600/R-93/116, and NIOSH Method 9002.

** The percentage of each component is visually estimated. The result of this analysis relate only to the material tested. The report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. (>1% greater than one percent, <1% less than one percent) QC - Sample reanalyzed for QA/QC.

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Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 10/2/2015

CHAIN OF CUSTODY/SAMPLE TRANSMITTAL FORM

GLE Associates, Inc.
1000 NW 65th Street, Suite 100
Ft. Lauderdale, FL 33309
PHONE: (954) 968-6414 FAX: (954) 968-6090

CLIENT: SCS Engineers
PROJECT #: 15000-15496
PROJECT: Douglas Park – Recreation Building
LABORATORY SENT TO: GLE
DATE: 09/29/2015

19365

SAMPLE INFORMATION

SAMPLE #	DESCRIPTION/ LOCATION	SAMPLE #	DESCRIPTION/ LOCATION
M-01 ABC	Grey Caulking	PL-02 ABC	Grey Exterior Stucco Finish
M-02 ABC	Grey Concrete Slab	R-01 ABC	Black Rolled Roof
M-03 ABC	Grey CMU Block	RF-01 ABC	Black Roof Flashing
M-04 ABC	Grey CMU Mortar	R-01 ABC	Black Rolled Roof- Walkway
M-05 ABC	Yellow Caulk at Roof	RF-01 ABC	Black Roof Flashing - Walkway
PL-01 ABC	Grey Interior Plaster Wall		

IMPORTANT TOTAL NUMBER OF SAMPLES SUBMITTED:	33
IMPORTANT POSITIVE STOP ANALYSIS:	Yes
IMPORTANT CODE TYPE:	PLM4
IMPORTANT E-MAIL RESULTS TO:	jsimmons@gleassociates.com rpadgett@gleassociates.com

SAMPLE DUE DATE/TIME: 10 | 05 | 2015 | AM / PM

PACKAGED BY: Brandon Christensen	SAMPLES RECEIVED BY:
DATE PACKAGED: 09/29/2015	DATE:
METHOD OF TRANSMITTAL: FEDEX	TIME:
TRANSMITTED BY:	Comments:

10.1.15
11:18

PACKAGED BY:	SAMPLES RECEIVED BY:
DATE PACKAGED:	DATE:
METHOD OF TRANSMITTAL:	TIME:
TRANSMITTED BY:	Comments:

PACKAGED BY:	SAMPLES RECEIVED BY:
DATE PACKAGED:	DATE:
METHOD OF TRANSMITTAL:	TIME:
TRANSMITTED BY:	Comments:

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SUMMARY OF BULK SAMPLE ANALYSIS

SCS Engineers; Douglas Park - Restrooms

15000-15496

Sample	Sample Type	Fiber Type	
M-01A	White Tile Grout	100%	Quartz, Calcite, Clay, Mica
M-01B	White Tile Grout	100%	Quartz, Calcite, Clay, Mica
M-01C-QC	White Tile Grout	100%	Quartz, Calcite, Clay, Mica
M-02A	Gray Concrete Slab	100%	Quartz, Calcite, Clay, Mica
M-02B	Gray Concrete Slab	100%	Quartz, Calcite, Clay, Mica
M-02C	Gray Concrete Slab	100%	Quartz, Calcite, Clay, Mica
M-03A	Gray CMU Block	100%	Quartz, Calcite, Clay, Mica
M-03B	Gray CMU Block	100%	Quartz, Calcite, Clay, Mica
M-03C	Gray CMU Block	100%	Quartz, Calcite, Clay, Mica
M-04A	Gray CMU Mortar	100%	Quartz, Calcite, Clay, Mica
M-04B	Gray CMU Mortar	100%	Quartz, Calcite, Clay, Mica
M-04C	Gray CMU Mortar	100%	Quartz, Calcite, Clay, Mica
M-05A-QC	Red Pipe Flange Gasket	100%	Polymer, Quartz, Calcite, Clay, Mica
M-05B	Red Pipe Flange Gasket	100%	Polymer, Quartz, Calcite, Clay, Mica
M-05C	Red Pipe Flange Gasket	100%	Polymer, Quartz, Calcite, Clay, Mica
M-06A	Blue Pipe Flange Gasket	100%	Cellulose/paper

Analyst / Approved Signatory:

Darryl Neldner

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Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 10/1/2015

SUMMARY OF BULK SAMPLE ANALYSIS

SCS Engineers; Douglas Park - Restrooms

15000-15496

Sample	Sample Type	Fiber Type	
M-06B	Blue Pipe Flange Gasket	100%	Cellulose/paper
M-06C	Blue Pipe Flange Gasket	100%	Cellulose/paper
PL-01A	Gray Interior Plaster Wall	100%	Quartz, Calcite, Clay, Mica
PL-01B	Gray Interior Plaster Wall	100%	Quartz, Calcite, Clay, Mica
PL-01C	Gray Interior Plaster Wall	100%	Quartz, Calcite, Clay, Mica
PL-02A	Gray Exterior Stucco Finish	100%	Polymer, Quartz, Calcite, Clay, Mica
PL-02B-QC	Gray Exterior Stucco Finish	100%	Polymer, Quartz, Calcite, Clay, Mica
PL-02C	Gray Exterior Stucco Finish	100%	Polymer, Quartz, Calcite, Clay, Mica
R-01A	Black Rolled Roof	100%	Bitumen, Quartz, Calcite, Mica
R-01B	Black Rolled Roof	100%	Bitumen, Quartz, Calcite, Mica
R-01C	Black Rolled Roof	100%	Bitumen, Quartz, Calcite, Mica
RF-01A	Black Roof Flashing	100%	Bitumen, Quartz, Calcite, Mica
RF-01B	Black Roof Flashing	100%	Bitumen, Quartz, Calcite, Mica
RF-01C	Black Roof Flashing	100%	Bitumen, Quartz, Calcite, Mica

Analyst / Approved Signatory:

Darryl Neldner

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Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 10/1/2015

CHAIN OF CUSTODY/SAMPLE TRANSMITTAL FORM

GLE Associates, Inc.
1000 NW 65th Street, Suite 100
Ft. Lauderdale, FL 33309
PHONE: (954) 968-6414 FAX: (954) 968-6090

CLIENT: SCS Engineers
PROJECT #: 15000-15496
PROJECT: Douglas Park - Restrooms
LABORATORY SENT TO: GLE
DATE: 09/29/2015

LAB - 9863

SAMPLE INFORMATION

SAMPLE #	DESCRIPTION/ LOCATION	SAMPLE #	DESCRIPTION/ LOCATION
M-01 ABC	White Tile Grout	PL-02 ABC	Grey Exterior Stucco Finish
M-02 ABC	Grey Concrete Slab	R-01 ABC	Black Rolled Roof
M-03 ABC	Grey CMU Block	RF-01 ABC	Black Roof Flashing
M-04 ABC	Grey CMU Mortar		
M-05 ABC	Red Pipe Flange Gasket		
M-06 ABC	Blue Pipe Flange Gasket		
PL-01 ABC	Grey Interior Plaster Wall		

IMPORTANT TOTAL NUMBER OF SAMPLES SUBMITTED:	**30**
IMPORTANT POSITIVE STOP ANALYSIS:	Yes
IMPORTANT CODE TYPE:	PLM4
IMPORTANT E-MAIL RESULTS TO:	jsimmons@gleassociates.com rpadgett@gleassociates.com

SAMPLE DUE DATE/TIME: 10 | 05 | 2015 | AM / PM

PACKAGED BY: Brandon Christensen	SAMPLES RECEIVED BY:
DATE PACKAGED: 09/29/2015	DATE:
METHOD OF TRANSMITTAL: FEDEX	TIME:
TRANSMITTED BY:	Comments:

PACKAGED BY:	SAMPLES RECEIVED BY:
DATE PACKAGED:	DATE:
METHOD OF TRANSMITTAL:	TIME:
TRANSMITTED BY:	Comments:

PACKAGED BY:	SAMPLES RECEIVED BY:
DATE PACKAGED:	DATE:
METHOD OF TRANSMITTAL:	TIME:
TRANSMITTED BY:	Comments:

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APPENDIX B
Personnel and Laboratory Certifications

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ASBESTOS LICENSING UNIT
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

GLE ASSOCIATES INC
GREENE, ROBERT BLAIR
4300 WEST CYPRESS STREET
SUITE 400
TAMPA FL 33607

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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

ZA0000034 ISSUED: 11/26/2013

ASBESTOS BUSINESS ORGANIZATION
GLE ASSOCIATES INC
GREENE, ROBERT BLAIR

IS LICENSED under the provisions of Ch.469 FS.
Expiration date : NOV 30, 2015 L1311260001833

The Department of State is leading the commemoration of Florida's 500th anniversary in 2013. For more information, please go to www.VivaFlorida.org.

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

LICENSE NUMBER
ZA0000034

The ASBESTOS BUSINESS ORGANIZATION
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2015

GLE ASSOCIATES INC
GREENE, ROBERT BLAIR
4300 W CYPRESS STREET SUITE 400
TAMPA FL 33607

ISSUED: 11/26/2013 SEQ # L1311260001833
DISPLAY AS REQUIRED BY LAW

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ASBESTOS LICENSING UNIT
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

GREENE, ROBERT BLAIR
GLE ASSOCIATES INC
4300 W CYPRESS STREET SUITE 400
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

EA0000009 ISSUED: 11/30/2014

ASBESTOS CONSULTANT - ENGINEER
GREENE, ROBERT BLAIR
GLE ASSOCIATES INC

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Expiration date : NOV 30, 2016 L1411300002420

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RICK SCOTT, GOVERNOR KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

LICENSE NUMBER
EA0000009

The ASBESTOS CONSULTANT - ENGINEER
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2016

GREENE, ROBERT BLAIR
GLE ASSOCIATES INC
4300 W. CYPRESS STREET
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TAMPA FL 33607

ISSUED: 11/30/2014 DISPLAY AS REQUIRED BY LAW SEQ # L1411300002420

Asbestos Consulting & Training Systems

40764.4762CERT/BIR

900 N W. 5TH Avenue, Fort Lauderdale, Florida 33311 (954) 524-7208

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To Authenticate Certificate
www.seagulltraining.com
1-800-966-9933

This is to Certify that

Brandon Christensen

XXX-XX-4647

9110 SW 20th St #D, Davie, FL 33324

has successfully completed an English

Asbestos Building Inspection Refresher

7-Aug-15 TO 7-Aug-15

UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S.C. 1001 AND 15 U.S.C. 2615), I CERTIFY THAT THIS TRAINING COMPLIES WITH ALL APPLICABLE REQUIREMENTS OF TITLE IV OF THE TOXIC SUBSTANCES CONTROL ACT AND PART 745 OF [illegible] AND ANY [illegible] APPLICABLE FEDERAL, STATE, OR LOCAL REQUIREMENTS AS AMENDED.

Meets state requirements of FL49-0001020/CN-0006273 and UT (6.0 core).

NDAAC Provider #451 Trainer(s): Mark Knick

TEST SCORE: 88 % Training Address: 900 NW 5 AV, Fort Lauderdale, FL, 33311

Successful course completion based on exam score on: 08/07/15

James F. Stump, Course Sponsor

This Certificate Expires:

6-Aug-16 08/06/16

Certificate Number: 165528

Course Number: SE1532

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 102003-0

GLE Associates, Inc.

Tampa, FL

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

BULK 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).

2015-04-01 through 2016-03-31

Effective dates

For the National Institute of Standards and Technology

APPENDIX C
Photographs

Photo C-1

Upper Photo: Recreation Center

Lower Photo: M-01 Grey Caulking

Photograph Date:
September 28, 2015

Prepared By: GLE Associates, Inc.
1000 NW 65th Street, Suite 100
Ft. Lauderdale, FL 33309
Phone: (754) 223-2697 fax: (754) 223-2937

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Douglas Park – Rec. Bldg & Restroom
2795 SW 37th Ave. Miami, FL

Drawn: BSC	Job No.: 15000-15496
Checked: MBC	Figure: C-1
Date: 10/5/2015	

Photo C-8

Upper Photo: M-05 Red Pipe Flange Gasket

Lower Photo: M-06 Blue Pipe Flange Gasket

Photograph Date:
September 28, 2015

Prepared By: GLE Associates, Inc.
1000 NW 65th Street, Suite 100
Ft. Lauderdale, FL 33309
Phone: (754) 223-2697 fax: (754) 223-2937

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Douglas Park – Rec. Bldg & Restroom 2795 SW 37th Ave. Miami, FL	
Drawn BSC	Job No. 15000-15496
Checked MBC	Figure C-8
Date 10/5/2015	

Photo C-9

Upper Photo: R-01 Black Rolled Roof

Lower Photo:RF-01 Black Roof Flashing

Photograph Date:
September 28, 2015

Prepared By: GLE Associates, Inc.
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Ft. Lauderdale, FL 33309
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Douglas Park – Rec. Bldg & Restroom 2795 SW 37th Ave. Miami, FL	
Drawn BSC	Job No. 15000-15496
Checked MBC	Figure C-9
Date 10/5/2015	