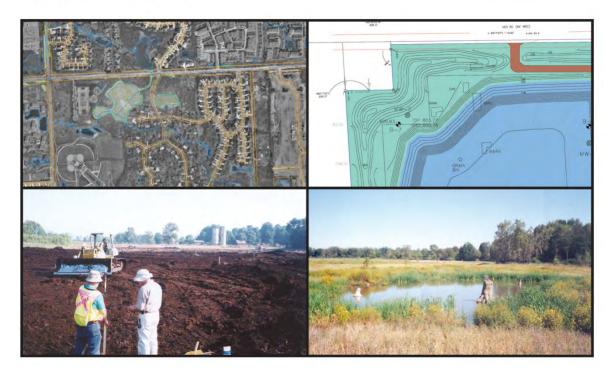
Asbestos-Containing Materials Inspection 2143–2145 Townsend Street Detroit, Michigan 48214

Develop Detroit, Inc.

October 7, 2021

ASTI ENVIRONMENTAL





Asbestos-Containing Materials Inspection 2143 – 2145 Townsend Street Detroit, Michigan 48214

October 7, 2021

Report Prepared For:

Develop Detroit Inc 1452 Randolph Street Suite 300 Detroit, Michigan 48226

Report Prepared By:

ASTI Environmental 10448 Citation Drive, Suite 100 Brighton, Michigan 48116 1-800-395-ASTI

ASTI Project No. 2-11759

Report Prepared by:

laine Junsla

Jelaine D. Tinsley Asbestos Inspector (A16395)

Report Reviewed by:

David A. Amir, EP Director-Site Redevelopment Services



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Executive Summary

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection of the building located at 2143 – 2145 Townsend Street, Detroit, Michigan (Subject Property). ASTI's scope of work included sampling of suspect ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M.

The structure inspected consists of a two-story, two-family flat residence with a basement. Based on the inspection conducted by ASTI on August 9, 2021 the following ACM was identified on the Subject Property:

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct vent insulation / White	Throughout	40 ft ² - Visible



1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection at 2143 - 2145 Townsend Street, Detroit, Michigan (Subject Property). Refer to the attached Site Location Map for the approximate location of the Subject Property. The information and opinions rendered in this report are prepared for the benefit of Develop Detroit Inc.; ASTI acknowledges that said party may rely upon the contents and conclusions presented in this report. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied are made.



2.0 LIMITATION AND EXCEPTIONS

ASTI's scope of work included sampling of suspect homogeneous ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M and ASTM E2356-10 Standard Practice for Comprehensive Building Asbestos Surveys. Suspect materials not identified within this report may be encountered in inaccessible wall cavities, chases, floor cavities, etc. during demolition activities. These materials must be presumed to be ACM until they can be sampled and analyzed for asbestos content.



3.0 SUBJECT PROPERTY DESCRIPTION

The Subject Property consists of a two-story, two-family, 2,292 square foot residence of wood frame and masonry construction with an attic, basement, and a asphalt shingled gabled roof. The residence was constructed in 1912. The Subject Property contained interior finishes such as plaster, linoleum, vinyl floor tile, hardwood floor, glass and paint.



4.0 ASBESTOS-CONTAINING MATERIALS INSPECTION

Ms. Jelaine Tinsley (Asbestos Inspector No. A16395) and Mr. John Schuitema (Asbestos Inspector No. A51781) of ASTI's Site Redevelopment Services Group conducted the ACM inspection of the Subject Property located at 2143 - 2145 Townsend Street, Detroit, Michigan on August 9, 2021. Copies of Ms. Jelaine Tinsley and Mr. John Schuitema's resumes and asbestos accreditations are provided in Appendix A.

4.1 Previous Asbestos-Containing Materials Inspections

ASTI is not aware of any previous ACM inspections of the Subject Property.

4.2 Asbestos Inspection Methodology

ASTI's scope of work included sampling of suspect ACMs in accordance with the AHERA and NESHAP protocols. The inspection included a visual inspection of the building in order to identify homogeneous areas of suspect surfacing materials, thermal system insulation, and miscellaneous materials, as well as the sampling of suspect friable and non-friable materials. The following definitions from 40 CFR Part 763 are provided below.

Asbestos-Containing Material (ACM): any material or product which contains more than one percent asbestos.

<u>Surfacing Materials (SM)</u>: material that is troweled-on, sprayed-on or otherwise applied to surfaces for acoustical, fireproofing or other purposes.

<u>Thermal System Insulation (TSI)</u>: material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior components to prevent heat loss or gain, or water condensation or for other purposes.

<u>Miscellaneous Materials (MM):</u> interior building material on structural components, structural members or fixtures such as floors and ceilings and does not include surfacing material or thermal system insulation.

<u>Friable:</u> material that when dry, may be crumbled pulverized or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized or reduced to powder by hand pressure.



<u>Non-friable:</u> material which when dry may not be crumbled, pulverized or reduced to powder by hand pressure.

Homogeneous areas (HAs): an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture.

4.3 <u>Sample Collection</u>

Samples were collected by physically removing a small piece of suspect material and placing it in a marked plastic bag. Samples were collected using wet methods, as appropriate. The sample collection tool was cleaned prior to each use to avoid cross-contamination of samples. ASTI sampled a variety of materials for asbestos testing. The material types sampled are listed below.

- 12" x 12" Floor tile and associated mastics
- Glue
- Linoleum
- Drywall & joint compound
- Plaster
- Wall texture
- Mortar
- Duct insulation
- 9"x9" floor tile
- Roll Roofing
- Window glaze
- 2'x2' Suspended ceiling tile
- Paneling adhesive
- Roofing materials
- Paper insulation
- Window caulk

ASTI collected 51 bulk samples from the suspect ACMs. A total of 82 sample layers were analyzed. The bulk samples were transmitted under chain-of-custody protocol to Apex Research Laboratory in Whitmore Lake, Michigan for asbestos analysis using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the US Environmental Protection Agency's (US EPA's) "Interim Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116, June 1993). Sample results are presented in the attached Table 1.



4.4 Laboratory Analytical Results

Building materials identified to contain greater than 1% asbestos are defined as ACMs. Review of the asbestos test results revealed that the following ACM was identified on the Subject Property:

НА	Material/Description	Location	Asbestos Result
9	Duct vent insulation / White	Throughout	15% Chrysotile

A comprehensive list of sampled materials with analytical results is provided as Table 1. A copy of the laboratory data sheets, along with the chain-of-custodies are included in Appendix B.

Asbestos-Containing Material Quantities

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct vent insulation / White	Throughout	40 ft ² - Visible



5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the inspection completed at the Subject Property, ACMs were identified in the buildings. A summary of the ACMs identified, along with ASTI's recommendations are as follows.

Based on the inspection conducted by ASTI August 9, 2021, the following ACM was identified on the Subject Property.

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct vent insulation / White	Throughout	40 ft ² - Visible

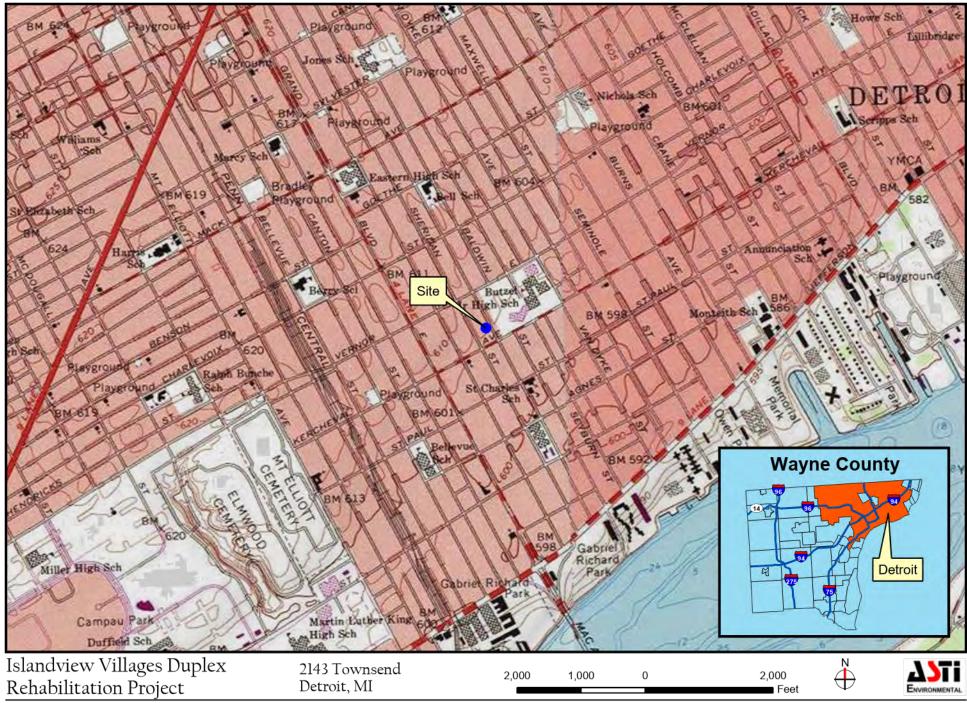
According to classification guidelines set forth in NESHAP, the duct insulation is classified as friable thermal system insulation (TSI) ACM. Additional TSI may be located in hidden cavities not accessible during the inspection. If any future work, such as renovation or demolition, would disturb this material, it is considered a regulated ACM and must be removed by a licensed abatement contractor



Figures

Site Location Map





Site Location Map

Tables

1 Asbestos Sample Results



TableAsbestos Sample ResultsIslandview Village2143 - 2145 Townsend StreetDetroit, MichiganASTI Project No: 2-11759

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
1A	12"x12" Floor Tile - Brown/Reddish	2143 Entry	NAD
іл	Glue	2143 Entry	NAD
1B	12"x12" Floor Tile - Brown/Reddish	2143 Entry	NAD
	Glue	2140 Entry	NAD
2A	12"x12" Floor Tile - Beige/Cream w/ Flowers	2143 Hall	NAD
2/(Glue	2110110	NAD
2B	12"x12" Floor Tile - Beige/Cream w/ Flowers	2143 Hall	NAD
20	Glue	2110110	NAD
3A	12"x12" Floor Tile - Gray	2143 Bath	NAD
0,1	Glue	2110 Balli	NAD
3B	12"x12" Floor Tile - Gray	2143 Bath	NAD
00	Glue	2110 Balli	NAD
	12"x12" Floor Tile - Off White Pebble Pattern		NAD
4A	Glue	2143 Kitchen	NAD
	Linoleum		NAD
	12"x12" Floor Tile - Off White Pebble Pattern		NAD
4B	Glue	2143 Back Hall	NAD
	Linoleum		NAD
5A	Drywall - White	2143 Kitchen	NAD
0/1	Joint Compound		NAD
5B	Drywall - White	2143 Bath	NAD
00	Joint Compound		NAD
6A	Plaster- Gray	2143 Kitchen	NAD
6B	Plaster- Gray	2143 Kitchen	NAD
6C	Plaster	2143 Hall	NAD
6D	Plaster Finish Coat	2145 Living Room	NAD
00	Plaster Base Coat		NAD
6E	Plaster Finish Coat	2145 Dining Room	NAD
υL	Plaster Base Coat	2140 Dining Koom	NAD
6F	Plaster Finish Coat	2145 Bedroom	NAD
01	Plaster Base Coat	2140 Dedioonn	NAD
6G	Plaster Finish Coat	2145 Bedroom	NAD
00	Plaster Base Coat		NAD
7A	Wall Texture - White	2143 Entry	NAD
7B	Wall Texture - White	2143 Dining	NAD
7C	Wall Texture - White	2145 Living Room	NAD
7D	Wall Texture - White	2145	NAD
7E	Wall Texture - White	2145	NAD
7F	Wall Texture - White	2145	NAD
8A	Brick Mortar - Gray	2143 Basement	NAD
8B	Brick Mortar - Gray	2143 Basement	NAD
9A	Duct Wrap - Gray	2143 Living Room	15% Chrysotile
9B	Duct Wrap - Gray	2143 Dining Room	NA
9C	Duct Wrap - Gray	2145 Living Room	NA

Table Asbestos Sample Results Islandview Village 2143 - 2145 Townsend Street Detroit, Michigan ASTI Project No: 2-11759

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
	9"x9" Floor Tile - White		NAD
10A	Mastic	2145 Rear Stairs	NAD
TUA	9"x9" Floor Tile - Red		NAD
	Mastic		NAD
	9"x9" Floor Tile - White		NAD
10B	Mastic	2145 Rear Stairs	NAD
IUD	9"x9" Floor Tile - Red		NAD
	Mastic		NAD
	12"x12" Floor Tile - Lt Gray/Dk Gray Squares		NAD
11A	Glue	2145 Kitchen	NAD
	Leveler		NAD
	12"x12" Floor Tile - Lt Gray/Dk Gray Squares		NAD
11B	Glue	2145 Kitchen	NAD
	Leveler		NAD
	12"x12" Floor Tile - Black/White Squares		NAD
12A	Glue	2145 Bathroom	NAD
12A	Flooring	2145 Bathoom	NAD
	Glue		NAD
	12"x12" Floor Tile - Black/White Squares		NAD
12B	Glue	2145 Bathroom	NAD
120	Flooring		NAD
	Glue		NAD
13A	Roll Roofing on Porch - Black	2145 Porch	NAD
13B	Roll Roofing on Porch - Black	2145 Porch	NAD
14A	Window Glaze - Off White/Tannish	2145 Hall	NAD
14B	Window Glaze - Off White/Tannish	2145 Bedroom	NAD
15A	2'x2' Suspended Ceiling Tile - White	2145 Bedroom	NAD
15B	2'x2' Suspended Ceiling Tile - White	2145 Bedroom	NAD
16A	Paneling Adhesive - Yellowish/Tan	2145 Stairway	NAD
16B	Paneling Adhesive - Yellowish/Tan	2145 Stairway	NAD
17A	Drywall - White	2145 Attic	NAD
17B	Drywall - White	2145 Attic	NAD
18A	Roofing - Black	2145	NAD
18B	Roofing - Black	2145	NAD
19A	Brick Mortar - Gray	Front Façade - 2145	NAD
19B	Brick Mortar - Gray	Front Façade - 2145	NAD
20A	Paper Insulation - Gray	Behind Aluminum Siding - 2145	NAD
20B	Paper Insulation - Gray	Behind Aluminum Siding - 2145	NAD
21A	Window Caulk - White	2145	NAD
21B	Window Caulk - White	2145	NAD

Appendix A

Resume and Accreditation of Ms. Jelaine Tinsley And Mr. John Schuitema







JELAINE D. TINSLEY Environmental Professional

PROFILE

Certifications/Licenses NIOSH 582-Equivalent Course Sampling and Analysis of Airborne Asbestos Fibers OSHA 29 CFR 1910.120 HAZWOPER 40-Hour and 8-Hour Refresher (2020) Asbestos Inspector-Michigan (License No. A16395) Asbestos Inspector-Indiana (License No. 100-19756) Asbestos Inspector-Indiana (License No. 19A007625) Asbestos Hazard Evaluation Specialist-Ohio (License No.ES36108) Asbestos Inspector / Management Planner-Kentucky (License No. 66369) Asbestos Project Designer-Michigan (License No. A16395) Certified Confined Space Entrant and Attendant American Red Cross First Aide and Adult CPR Certified ASTM Certification in RBCA Applied at Petroleum Release Sites Bituminous Testing Technician Michigan Provisional Teaching Certificate

Education Western Michigan University, B.S., Earth Science and Education

Experience History Environmental Professional, ASTI ENVIRONMENTAL Project Manager, Yeoman Group Project Manager, A&F Environmental Environmental Consultant, DLZ Corporation Environmental Consultant, AKT Peerless Geologist, ATC Associates Geologist, NUS Corporation Teacher, Detroit Public Schools Staff Scientist, CTI and Associates, Inc.

<u>Professional Memberships and Service</u> Michigan Association of Environmental Professionals (MAEP) Commercial Real Estate Women Detroit (CREW)

Professional Background

Ms. Tinsley has more than 30 years experience in the environmental industry in a variety of areas including Phase I environmental site assessments (ESAs), Phase II ESAs, baseline environmental assessments (BEAs), subsurface investigations (soil and groundwater testing), soil and groundwater evaluations, asbestos and mold inspections, abatement oversight, and specification development. Ms. Tinsley has also coordinated numerous hazardous material and pre-demolition surveys which included evaluations of asbestos, mold, radon and universal wastes for municipal, commercial, and industrial facilities.

Years Experience:

6 --- ASTI ENVIRONMENTAL 25 --- other firms

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial) to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances. Responsibilities included the preparation and/or review of ASTM Phase I and Phase ESAs, Baseline Environmental Ш Assessments (BEAs), and Due Care Plans. Ms. Tinsley has experience working in Michigan, Illinois, Indiana, Ohio, Kentucky, Tennessee, Georgia, Alabama, Mississippi, and Florida. Ms. Tinsley also has performed listing site evaluations for a dedicated contactor to the US EPA. Ms. Tinsley is also knowledgeable with All Appropriate Inquiries (AAI) per 40 CFR Part 312 and meets the requirements of an Environmental Professional per AAI.

Customer Training

Provided training for financial institutions on the types of properties that should have environmental evaluations.

Vapor Intrusion Evaluation, Jackson, Michigan

Conducted vapor intrusion studies at commercial properties to assess potential vapor migration. Scope of work included coordination of vapor intrusion points, vapor sample collection, and coordination of chemical testing.

CONSTRUCTION TESTING

Conducted construction material analysis which included soil proctors, soil sieve analysis, asphalt extractions, and concrete stress testing.

ASBESTOS INSPECTIONS AND ABATEMENT COORDINATION/OVERSIGHT

Responsible for asbestos program management including coordination and technical lead for hazardous material surveys and asbestos and mold related testing activities.

Asbestos Inspections, City of Detroit Neighborhood Redevelopment Project

Inspector of asbestos hazards at over 300 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Detroit with findings and compliance requirements.

Asbestos Inspections, City of Inkster Neighborhood Redevelopment Project

Conducted asbestos inspections at over 100 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Inkster with findings and compliance requirements.

Large Hotel Detroit, Michigan

Inspected the hotel property as part of a team. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings. Performed oversight of ACM abatement.

Medical Complex Kalamazoo, Michigan

Responsible for coordination of field activities for the ACM abatement of the complex. Conducted schedule and strategy meetings.

Hotel, Detroit, Michigan

Inspected the hotel property. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings.

Former Coal Power Plant

Conducted a thorough asbestos inspection of an inactive multi-building coal power plant in Detroit, Michigan. Collected samples, and performed thorough photo documentation and quantification of all ACMs in the power plant and supporting buildings.

UNDERGROUND STORAGE TANKS AND PETROLEUM REMEDIATION PROJECT

Commercial Development Royal Oak, Michigan

Coordinated the remediation of a former gasoline service station, during site development for a commercial company. Work included Phase I ESA and Phase II site investigation to evaluate USTs and hoists onsite, as well as coordinating a GPR survey for additional USTs on site, a BEA, and a Due Care Plan. Assisted with the development bid specifications for site remediation activities including UST and hoist removal, soil remediation, and asbestos abatement. Coordinated the removal of five (5) USTs, one in-ground hoist, and 300,000 cubic yards of petroleum-impacted soils.









JOHN F. SCHUITEMA Environmental Field Technician

PROFILE

<u>Certifications</u> Asbestos Inspector (A51781) Michigan Lead Inspector/Risk Assessor (P-07409) ICC Property Maintenance Inspector ICC Zoning Inspector 40-Hour OSHA HAZWOPER Training 8-Hour OSHA HAZWOPER Refresher

Education

Lead Inspector/Risk Assessor Training Asbestos Awareness Training Lead Awareness Training Asbestos Inspector Training

Experience History Field Technician, ASTI Environmental Government

Professional Background

Mr. Schuitema has experience in the field with soil sampling, lead dust sampling, asbestos surveys, air monitoring, hazardous materials surveys, and lead inspections. Mr. Schuitema has assisted with Phase II investigations, property condition assessments, mold sampling, indoor air quality assessments, moisture operation and maintenance plans, and performed health and safety related building inspections.

Years' Experience:

3 --- ASTI ENVIRONMENTAL

3 --- Government

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial), to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances.

ASBESTOS AND LEAD INSPECTION AND RISK ASSESSMENTS

Responsible for asbestos inspections and lead inspections and risk assessments on commercial, multi-family, and single-family properties.

Lead Based Paint Inspections and Risk Assessments. Flint Housing Commission

Inspection of lead hazards throughout Flint's public housing complexes, dust wipe sample collection for laboratory analysis, XRF sampling, and writing the report to the Flint Housing Commission with findings and compliance requirements.

Large Apartment Complex in Flint, Michigan

Conducted asbestos inspections of over 100 residential units. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Flint with findings and compliance requirements.

INDOOR AIR QUALITY AND MOLD

Conducted mold assessments and verification sampling on municipal buildings, schools, and private facilities in the State of Michigan. Assessment scopes included mold identification and moisture infiltration, abatement scope design, and post abatement visual inspection and clearance sampling.

Conducted visual and indoor air quality clearance samples for multiple residential homes following ACM removal, prior to demolition, throughout the State of Michigan.

Highrise Apartment Building Detroit, Michigan

Monitored indoor air quality during removal of asbestos containing materials. Provided clearance air sampling upon completion.

Multiple School Buildings Detroit, Michigan

Performed visual inspection, tape lift samples, air sampling, and moisture readings to evaluate potential mold growth. Completed clearance inspection and sampling after remediation and provided the client with a report of methods and findings.

PROPERTY CONDTION ASSESSMENTS

Completed inspections of commercial, industrial, and residential properties in the State of Michigan. Identified physical deficiencies, material defects, and deferred maintenance. Reported findings, including cost estimates for repairs and replacements deemed necessary.

STORM WATER INSPECTIONS

Performed inspections of construction sites to determine compliance with state storm water regulations. Reported deficiencies and recommend remedies.

Large Apartment Complex Howell, Michigan

Conducted weekly inspections during construction to ensure compliance with construction storm water regulations. Provided weekly report with findings, deficiencies, and remedy options to the client and County.

WASTEWATER OPERATIONS

Super Fund Site, St. Joseph, Michigan

Performed monthly maintenance and sampling to insure proper operation and compliance with applicable regulations. Maintained air striper and CatOx system for removal of VOCs from contaminated groundwater.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan

Operated outdoor air monitoring and sampling stations to ensure chemicals of concern and fugitive dust did not leave the property. Performed real time air monitoring during demolition activities.



State of Michigan Department of Labor and Economic Opportunity

Department of Labor and Economic Opportunity Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

C + T TALLET

John F. Schuitema 6790 Hinchey Road Pinckney, MI 48169

Accreditation Number

Expiration Date

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is mit vand if attend.

DOB: 06/17/1981

151348

Appendix B

Results of Asbestos Sample Analysis and Chain of Custody



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 01 Cust. #: 1A Material: 12"x12" Brown/Reddish Floor Tile Location: 2143 Entry Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 01a Cust. #: 1A Material: Glue Location: 2143 Entry Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 02 Cust. #: 1B Material: 12"x12" Brown/Reddish Floor Tile Location: 2143 Entry Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

Page 1 of 28



Report To:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 02a Cust. #: 1B Material: Glue Location: 2143 Entry Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 03 Cust. #: 2A Material: 12"x12" Beige/Cream w/ Flowers FT Location: 2143 Hall Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 03a Cust. #: 2A Material: Glue Location: 2143 Hall Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189



Report To:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 04 Cust. #: 2B Material: 12"x12" Beige/Cream w/ Flowers FT Location: 2143 Hall Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 04a Cust. #: 2B Material: Glue Location: 2143 Hall Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 05 Cust. #: 3A Material: 12"x12" Grey Floor Tile Location: 2143 Bath Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

Report To:



21-95652

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #21-95652Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 05a Cust. #: 3A Material: Glue Location: 2143 Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 06 Cust. #: 3B Material: 12"x12" Grey Floor Tile Location: 2143 Bath Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 06a Cust. #: 3B Material: Glue Location: 2143 Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 07 Cust. #: 4A Material: 12"x12" Off White Pebble Pattern Location: 2143 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 07a Cust. #: 4A Material: Glue Location: 2143 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 07b Cust. #: 4A Material: Linoleum Location: 2143 Kitchen Appearance: beige,fibrous,nonhomogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 25% Other - 75%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Report To:

NVLAP Lab Code 102118-0



21-95652

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 08 Cust. #: 4B Material: 12"x12" Off White Pebble Pattern Location: 2143 Back Hall Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 08a Cust. #: 4B Material: Glue Location: 2143 Back Hall Appearance: yellow,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 08b Cust. #: 4B Material: Linoleum Location: 2143 Back Hall Appearance: beige,fibrous,nonhomogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 25% Other - 75%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0





Report To:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Date Collected: Mr. David Amir 08/09/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Brighton, MI 48116 Date Reported: 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95652 - 09 Asbestos Present: NO Cellulose - 20% Cust. #: No Asbestos Observed Other - 80% 5A Material: White Drywall Location: 2143 Kitchen Appearance: white, fibrous, nonhomogenous Layer: of 2 1 Asbestos Present: NO 95652 - 09a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 5A Material: Joint Compound Location: 2143 Kitchen Appearance: white, nonfibrous, homogenous Layer: 2 of 2 Lab ID #: 95652 - 10 Asbestos Present: NO Cellulose - 20% No Asbestos Observed Other - 80% Cust. #: 5B Material: White Drywall Location: 2143 Bath Appearance: white, fibrous, nonhomogenous Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

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Report To:

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 10a Cust. #: 5B Material: Joint Compound Location: 2143 Bath Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 11 Cust. #: 6A Material: Plaster- Grey Location: 2143 Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 12 Cust. #: 6B Material: Plaster- Grey Location: 2143 Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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NVLAP Lab Code 102118-0



21-95652

NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 13 Cust. #: 6C Material: Plaster Location: 2143 Hall Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 14 Cust. #: 6D Material: Plaster Finish Coat Location: 2145 Living Room Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 14a Cust. #: 6D Material: Plaster Base Coat Location: 2145 Living Room Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Hair - 1% Other - 98%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

APEX

21-95652

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 15 Cust. #: 6E Material: Plaster Finish Coat Location: 2145 Dining Room Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 15a Cust. #: 6E Material: Plaster Base Coat Location: 2145 Dining Room Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Hair - 1% Other - 98%
Lab ID #: 95652 - 16 Cust. #: 6F Material: Plaster Finish Coat Location: 2145 Bedroom Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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Report To:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Report To: Date Collected: Mr. David Amir 08/09/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Date Reported: Brighton, MI 48116 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95652 - 16a Asbestos Present: NO Cellulose - 1% Cust. #: 6F No Asbestos Observed Hair - 1% Material: Plaster Base Coat Other - 98% Location: 2145 Bedroom Appearance: grey,fibrous,homogenous Layer: of 2 2 Asbestos Present: NO 95652 - 17 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 6G Material: Plaster Finish Coat Location: 2145 Bedroom Appearance: white, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 95652 - 17a Asbestos Present: NO Cellulose - 1% No Asbestos Observed Hair - 1% Cust. #: 6G Plaster Base Coat Other - 98% Material: Location: 2145 Bedroom Appearance: grey,fibrous,homogenous Layer: 2 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 18 Cust. #: 7A Material: Wall Texture White Location: 2143 Entry Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 19 Cust. #: 7B Material: Wall Texture White Location: 2143 Dining Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 20 Cust. #: 7C Material: Wall Texture White Location: 2145 Living Room Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 21 Cust. #: 8A Material: Grey Brick Mortar Location: 2143 Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 22 Cust. #: 8B Material: Grey Brick Mortar Location: 2143 Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 23 Cust. #: 9A Material: Duct Wrap Grey Location: 2143 Living Room Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 15%	Cellulose - 50% Other - 35%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

NVLAP Lab Code 102118-0

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21-95652

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Sample Information

Lab ID #: 95652 - 24 Asbestos Present: Cust. #: 9B Material: Duct Wrap Grey 2143 Dining Room NOT ANALYZED Location: Appearance: Layer: of 95652 - 25 Asbestos Present: Lab ID #: Cust. #: 9C Material: Duct Wrap Grey NOT ANALYZED Location: 2145 Living Room Appearance: Layer: of 95652 - 26 Lab ID #: Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 10A 9"x9" White Floor Tile Material:

Asbestos Type/Percent

For Layered Samples, each component will be analyzed and reported separately.

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain

circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Location: 2145 Rear Stairs

of

1

Layer:

Appearance: white, nonfibrous, homogenous

4





21-95652

08/09/21

08/13/21

08/16/21

08/16/21

ARI Report #

Date Collected:

Date Received:

Date Analyzed:

Date Reported:

Non-Asbestos Material

Robert T. Letarte Jr., Laboratory Director

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 26a Cust. #: 10A Material: Mastic Location: 2145 Rear Stairs Appearance: black,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 26b Cust. #: 10A Material: 9"x9" Red Floor Tile Location: 2145 Rear Stairs Appearance: red,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 26c Cust. #: 10A Material: Mastic Location: 2145 Rear Stairs Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.









Report To:

ARI Report # 21-95652

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 27 Cust. #: 10B Material: 9"x9" White Floor Tile Location: 2145 Rear Stairs Appearance: white,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 27a Cust. #: 10B Material: Mastic Location: 2145 Rear Stairs Appearance: black,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 27b Cust. #: 10B Material: 9"x9" Red Floor Tile Location: 2145 Rear Stairs Appearance: red,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Report To:

NVLAP Lab Code 102118-0

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 27c Cust. #: 10B Material: Mastic Location: 2145 Rear Stairs Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 28	Asbestos Present: NO	Other - 100%
Cust. #: 11A Material: 12"x12" Lt Grey/Dk Grey Squares FT Location: 2145 Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 3	No Asbestos Observed	

For Layered Samples, each component will be analyzed and reported separately.

Kant Jett

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Report To:

NVLAP Lab Code 102118-0



21-95652

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #21-95652Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 28b Cust. #: 11A Material: Leveler Location: 2145 Kitchen Appearance: grey,fibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 95652 - 29 Cust. #: 11B Material: 12"x12" Lt Grey/Dk Grey Squares FT Location: 2145 Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 29a Cust. #: 11B Material: Glue Location: 2145 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 29b Cust. #: 11B Material: Leveler Location: 2145 Kitchen Appearance: grey,fibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 95652 - 30 Cust. #: 12A Material: 12"x12" Black/White Squares FT Location: 2145 Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 30a Cust. #: 12A Material: Glue Location: 2145 Bathroom Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

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Report To:

ARI Report # 21-95652

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NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Report To: ARI Report # 21-95652 Date Collected: Mr. David Amir 08/09/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Brighton, MI 48116 Date Reported: 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95652 - 30b Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 12A Material: Flooring Location: 2145 Bathroom Appearance: beige, nonfibrous, homogenous Layer: of 4 3 Asbestos Present: NO 95652 - 30c Other - 100% Lab ID #: Cust. #: No Asbestos Observed 12A Material: Glue Location: 2145 Bathroom Appearance: yellow,nonfibrous,homogenous of Layer: 4 4 Lab ID #: 95652 - 31 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 12B Material: 12"x12" Black/White Squares FT Location: 2145 Bathroom Appearance: white, nonfibrous, homogenous Layer: 1 of 4

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.





Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 31a Cust. #: 12B Material: Glue Location: 2145 Bathroom Appearance: clear,nonfibrous,nonhomogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 31b Cust. #: 12B Material: Flooring Location: 2145 Bathroom Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 31c Cust. #: 12B Material: Glue Location: 2145 Bathroom Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

NVLAP Lab Code 102118-0





21-95652

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 32 Cust. #: 13A Material: Black Roll Roofing on Porch Location: 2145 Porch Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Other - 70%
Lab ID #: 95652 - 33 Cust. #: 13B Material: Black Roll Roofing on Porch Location: 2145 Porch Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Other - 70%
Lab ID #: 95652 - 34 Cust. #: 14A Material: Off White/Tannish Window Glaze Location: 2145 Hall Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

ARI Report # 21-95652

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 35 Cust. #: 14B Material: Off White/Tannish Window Glaze Location: 2145 Bedroom Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 36 Cust. #: 15A Material: 2'x2' SCT White Location: 2145 Bedroom Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 35% Mineral Wool - 35% Other - 30%
Lab ID #: 95652 - 37 Cust. #: 15B Material: 2'x2' SCT White Location: 2145 Bedroom Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 35% Mineral Wool - 35% Other - 30%
	4	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

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21-95652

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Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 38 Cust. #: 16A Material: Yellowish/Tan Paneling Adhesive Location: 2145 Stairway Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 39 Cust. #: 16B Material: Yellowish/Tan Paneling Adhesive Location: 2145 Stairway Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 40 Cust. #: 17A Material: White Drywall Location: 2145 Attic Appearance: white,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

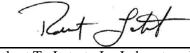
Report To: ARI Report # 21-95652 Date Collected: Mr. David Amir 08/09/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Brighton, MI 48116 Date Reported: 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95652 - 41 Asbestos Present: NO Cellulose - 20% Cust. #: 17B No Asbestos Observed Other - 80% Material: White Drywall Location: 2145 Attic Appearance: white, fibrous, nonhomogenous Layer: of 1 1 Asbestos Present: NO 95652 - 42 Cellulose - 15% Lab ID #: Cust. #: No Asbestos Observed Other - 85% 18A Material: Black Roofing Location: 2145 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1 Lab ID #: 95652 - 43 Asbestos Present: NO Cellulose - 15% No Asbestos Observed Other - 85% Cust. #: 18B Material: Black Roofing Location: 2145 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately.

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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Robert T. Letarte Jr., Laboratory Director

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 44 Cust. #: 19A Material: Grey Brick Mortar Location: Front Façade- 2145 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 45 Cust. #: 19B Material: Grey Brick Mortar Location: Front Façade- 2145 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 46 Cust. #: 20A Material: Grey Paper Insulation Location: Behind Aluminum Siding- 2145 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Other - 70%

For Layered Samples, each component will be analyzed and reported separately.

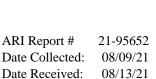
Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0



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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 47 Cust. #: 20B Material: Grey Paper Insulation Location: Behind Aluminum Siding- 2145 Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Other - 70%
Lab ID #: 95652 - 48 Cust. #: 21A Material: White Window Caulk Location: 2145 Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Wollastonite - 5% Other - 95%
Lab ID #: 95652 - 49 Cust. #: 21B Material: White Window Caulk Location: 2145 Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Wollastonite - 5% Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Page 27 of 28



Report To:

ARI Report # 21-95652 **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2143 Townsend Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/09/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95652 - 50 Cust. #: 7D Material: Wall Texture Location: 2145 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 51 Cust. #: 7E Material: Wall Texture Location: 2145 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95652 - 52 Cust. #: 7F Material: Wall Texture Location: 2145 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0





Report To:

ARI Report # 21-95652

Relinquished By: J. Lindig Received By: AUG 1 3 2021 Date: Time/Date: Date: AUG 1 3 2021 Revision R5 Date: Nov/2017 Revision R5 Date: Nov/2017	A RECEIVE	Placker - Commin 17	L IZINZ AN	5A White Drywall +JC / 2143 Kitchen	4 A 12"X12" off-white people pattern / 2143 Kitchen	3A 12"×12" Gray floor tike / 2143 Bath	2R 4	2A 12"FIZ" Beiget Cream w flowers flow file / ZI43 HAII	•	1A 12"X12" Brown+Reddish floor tile / 2143 thing	Lab ID Customer ID # Material/Location Volume Area	Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB NIOSH 7402 EPA Level II logged in next morning	Other: TTP (yes) no Mold: Bulk Air/Zefon/AlergencoD BioS	48 hour T2 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO Air Pain	Rush 24 hour Asbestos: Bulk X Wipe Point Count	Turn Around Time: (circle one)	Phone: 810.225.2800 Fax: 810.225.3800 Email: damir@asti-env.com / jtinsley@asti-env.com	igan 48116 Contact Person: David Am	# <u>2~11759</u> #	Customer Name: ASTI Environmental Project: Islandview Village 2143), Fax (734) 449 -	APEX Research, Inc.
Received By: Time/Date:					6			HAII			-	EPA Level II	gencoD BioSIS Tape	Air Paint Bulk	Point Count PCM		۲ / jtinsley@asti-env.com Verbal:	ir / Jill Tinsley / John Schyitema	2412	Village		

Relinquished By: <u>Lindur</u> Date: Revision RS Date: Nov/2017													Lab ID	Samples received after 3pm logged in next morning	Other:	48 hour	Rush	Turn Around Tin	Phone: 810.225.2800	City, St., Zip:	Address: 10448 Citation Drive	Customer Na				07670
17 Linoury	98	AP	SB	3A	った	Q: E	Vt	(₆ Gi	6F	6E	(T a)	63	Customer ID #	m (Test Till Positive)	TTP (yes)/ no	72 hour	24 hour	ne: (circle one)	5.2800	Brighton, Michigan 48116	8 Citation Drive	Customer Name: ASTI Environmental		11054 Hi Tec	N	Page R
Received By: 155 AUG 1 3 2021 Relinquished By: Time/Date: APEX RESEARCH	+ / ZI43 ATCANED	Duct unap	4	2 ZIYZ Basen	\$ 12145 Living room	/2143 Dining	Whill texture white 12143 Entry	↓ 12145 Bedroom	5	12145 Dining Noom	2145 Liviavoom	Plaster 12143 Hull	Material/Location	ve) TEM: Bulk/NOB	10 Mold: Bulk	Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO.	Asbestos: Bulk 🖌 Wipe	Turn Around Time: (circle one) Terms and conditions on the other side. Circle analyses requi	Fax: 810.225.3800 Email: damir@asti-env.com	n 48116 Contact Person: David Am	Project # <u>2-11795</u>	Project: Zi43-	Date of Survey:	11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fa	APEX Research, Inc.	
r: Received By: Time/Date:		MOOM		ent									Volume Area	NIOSH 7402 EPA Level II	Air/Zefon/AlergencoD Bio	ES or NO Air Paint	Point Count	Circle analyses required, indicate type and quantity	env.com / jtinsley@asti-env.com	avid Amir / Jill Tinsley		2145 Townsend	8-9-2021	Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com		
1By:													Results	II Other	BioSIS Tape	int Bulk	PCM	y Email:	com Verbal:	Fax	Report:	Log-In:	Lab Use Only	APEX	Ø	

Kitchen 5 Bath 100m	r stairs floor tike/2145	Living.cosm le/2145 v new squares over Reshle put	Duct wrap - gray 12145 Liv 9"Xq" Red + white floor tile / 12"XIZ" hight gragt darkgray 12"XIZ" blocktwhite squares over 12"XIZ" Blocktwhite squares over Black Coll MOSFing on porch /	IDA IDA IDA IDA IDA IDA IDA IDA IDA IDA	
Results	Volume Area	ocation	Material/Location	Customer ID #	Lab ID
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Paint Bulk		ASTM E1792?	Lead / Cad / Chrome:	72 hour	48 hour
Point Count PCM	red, indicate type and qua Point Count	Circle analyses required, ind Bulk <u>V</u> Wipe	s and conditions on the other side. Asbestos:	Turn Around Time: (Circle One)***Terms and conditions on the other side Rush 24 hour 4	Turn Around Rush
	env.com / jtinsley@asti-env.com	Email: damir@asti-env.cor	Fax: 810.225.3800	225.2800	Phone: 810.225.2800
<u> </u>	Contact Person: David Amir / Jill Tinsley / John Schuitence	Contact Person: Di	n 48116	o: Brighton, Michigan 48116	City, St., Zip:
Report:	1159	Project # <u>2-11</u>		Address: 10448 Citation Drive	Address: 10
Log-In:	ZI45 Townsend	Project: 2143 -	nmental	Customer Name: ASTI Environmental	Customer
Lab Use Only	8-9-2021	Date of Survey:			
AL.com	KeSearcn, Inc. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	Research, Inc. Phone: (734) 449 - 9990, Fa	APEX 11054 Hi Tech Drive, Whitmore Lake, MI 48189.	Ċ	

ed By:	Received By: Time/Date:	Allfier 1.3 2021 Relinquished By: Date: APEX RESEARCH	Received By: <u>VS</u> All <u>G</u> I Time/Date: <u>VS</u> APEX RE	Milling 1	Relinquished By. Date: <u><u> </u></u>
		RENTHE	White window RIFICF	ZIANS	
	<u>—</u> ц			Goc	
	man siding 12145.	him Behind Aluminum si	Grauf Paper insulation	70A	
			4	19b	
	2-2145	ar I Front Facade	Graw BONCK Mortar	iqh	
			4	Ag.	
		01	Black roofing 12145	481	
			¢	ari	
		2145 Atic	White Drying11 / Z)	4L)	
			4	[68]	
	STAINWAY	12145	yeilbwishtan paneting Adhesive	101	
		2145 Bedroom	2/42/ SCT /2145	15B	
Results	Volume Area	ocation	Material/Location	Customer ID #	Lab ID
	NIOSH 7402 EPA Level II	Bulk/NOB	TEM:	rr 3pm (1est 1ill Positive) 1g	Samples received after 3pm logged in next morning
BioSIS Tape	Air/Zefon/AlergencoD I	Bulk Air/Z	no Mold:	ITP (SEE)	Other:
Paint Bulk	Air	Wipe ASTM E1792? circle YES or NO_	Lead / Cad / Chrome:	72 hour	48 hour
PCM		Bulk K Wipe	Asbestos:	24 hour	Rush
icate type and quantity المراجعة: مراجعة: المراجعة: المراجعة: مراجعة: المراجعة: المراجعة: مراجعة: المراجعة: م	red, indicate type and quan	Circle analyses required, ind	ind conditions on the other side.	Turn Around Time: (Circle one) "Tems and conditions on the other side	Turn Around
NV.com الل جويمين Merbal:	Email: damir@asti-env.com / jtinsley@asti-env.com / جودسنلا Merbal:	Email: damir@asti-	Fax: 810.225.3800	.225.2800	Phone: 810.225.2800
	Contact Person: David Amir / Jill Tinsley / John Schuctera	Contact Person: D	48116): Brighton, Michigan 48116	City, St., Zip:
Report:	11759	Project # 2 -		Address: 10448 Citation Drive	Address: 10
Log-In:			mental	Customer Name: ASTI Environmental	Customer I
	8-9-2021	Date of Survey:			
	Phone: (734) 449 - 9990 Eav (734) 449 - 9901 Inc.	Phone: (734) 449 - 3000 Fa	APEX 11054 Hi Tech Drive, Whitmore Lake, MI 48189.	4	
					95652

95652 Sage R	APEX 11054 Hi Tech Drive, Whitmore Lake, MI 48189.	APEX Research, Inc. MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	C. Fax (734) 449 - 999	1 www.ApexMI.	С Э Э
Outomore Nomo ASTI Enviro		Date of Survey: 8.9.2021	8.9.2021 5 Townsend		
Customer Name: ASTI Environmental Address: 10448 Citation Drive	onmental	Project: <u>2143-2145 Townsend</u> Project # 2-11759	5 Townsend 9		Log-In: Report:
City, St., Zip: Brighton, Michigan 48116	an 48116	Contact Person: David Amir / Jill Tinsley / John Schuitema	David Amir / Jil	ll Tinsley /Jo	
	Fax: 810.225.3800	Email: <u>damir@asti-env.com / jtinsley@asti-envCivcte</u>	ti-env.com / jtin	sley@asti-er	
Turn Around Time: (Circle One)	ns and conditions on the other side.	analyses required, indicate type and quantity	indicate type an	d quantity	Email:
Rush 24 hour	Asbestos:	Bulk X Wipe		Point Count	PCM
48 hour 72 hour	Lead / Cad / Chrome:	Wipe ASTM E1792? circle YES	or NO	Air	Paint Bulk
Other: TTP yes	no Mold:	Bulk Air	Air/Zefon/AlergencoD		BioSIS Tape
received after 3pm (next morning	ive) TEM:	Bulk/NOB	NIOSH 7402	EPA Level II	
Lab ID Customer ID #	Material/Location	ocation	Volume	Area	Results
7D	Wall Texture / 2145				
7E	Wall Texture /2145				
7F	Wall Texture/ 2145				
Relinguished By: J. Tinsley	Received By:	Relinquished By:	Ву:	- Receiv	Received By:
Date: 0.13.2021 Revision R5 Date: Nov/2017	Time/Date:	Date:		_ Time/Date:	Date:

Appendix C

Photos



PHOTO LOG 2143 & 2145 Townsend Street, Detroit, Michigan

	Photo 1. View of 2143-2145 Townsend front
	Photo 2. View of 2143-2145 Townsend south side
<image/>	Photo 3. View of 2143-2145 Townsend rear.



PHOTO LOG 2143 & 2145 Townsend Street, Detroit, Michigan

Photo 4. View of 2143-2145 Townsend north side.
Photo 5. View of asbestos- containing duct paper insulation



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- DEVELOPMENT INCENTIVES AND GRANT MANAGEMENT
- ECOLOGICAL ASSESSMENTS AND RESTORATION
- ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS
- ENVIRONMENTAL OPPORTUNITIES ASSESSMENT
- GIS MAPPING
- HAZARD MITIGATION PLANNING
- MINING AND RECLAMATION ASSISTANCE
- REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE
- PHASE I ESA AND ENVIRONMENTAL DUE DILIGENCE ASSESSMENTS
- REGULATORY COMPLIANCE AND PERMITTING
- SOIL AND GROUNDWATER ASSESSMENTS
- SOIL AND GROUNDWATER REMEDIATION
- STORAGE TANK COMPLIANCE AND CLOSURE
- THREATENED AND ENDANGERED SPECIES SURVEYS
- WATERSHED AND STORMWATER MANAGEMENT PROGRAMS
- WETLAND DELINEATION, PERMITTING, MITIGATION AND BANKING

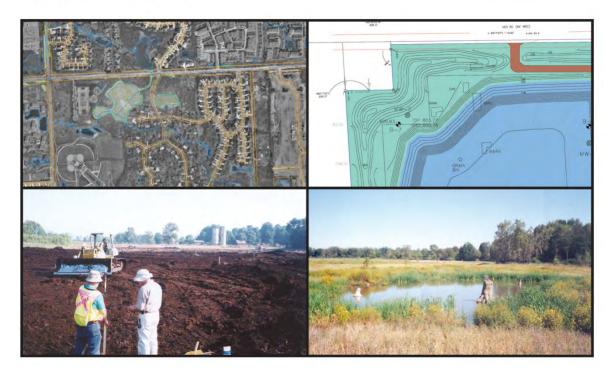


Asbestos-Containing Materials Inspection 2406 – 2410 Baldwin Street Detroit, Michigan 48214

Develop Detroit, Inc.

October 7, 2021

ASTI ENVIRONMENTAL





Asbestos-Containing Materials Inspection 2406 – 2410 Baldwin Street Detroit, Michigan 48214

October 7, 2021

Report Prepared For:

Develop Detroit Inc 1452 Randolph Street Suite 300 Detroit, Michigan 48226

Report Prepared By:

ASTI Environmental 10448 Citation Drive, Suite 100 Brighton, Michigan 48116 1-800-395-ASTI

ASTI Project No. 2-11759

Report Prepared by:

laine Junsla

Jelaine D. Tinsley Asbestos Inspector (A16395)

Report Reviewed by:

David A. Amir, EP Director-Site Redevelopment Services



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- A Resume and Accreditations of Ms. Jelaine Tinsley and Mr. John Schuitema
- B Results of Asbestos Sample Analysis and Chain of Custody
- C Photos

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Executive Summary

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection of the building located at 2406 – 2410 Baldwin Street, Detroit, Michigan (Subject Property). ASTI's scope of work included sampling of suspect ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M.

The structure inspected consists of two-story, two-family flat residence with a basement. Based on the inspection conducted by ASTI on August 11, 2021 the following ACMs were identified on the Subject Property:

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct vent insulation / White	Throughout	18 vents 40 ft ² Visible
12" x 12" floor tile / Tan	2410 unit	250 ft ²
Porch caulk / Red	Front porch north side	~10 lf



1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection at 2406 - 2410 Baldwin Street, Detroit, Michigan (Subject Property). Refer to the attached Site Location Map for the approximate location of the Subject Property. The information and opinions rendered in this report are prepared for the benefit of Develop Detroit Inc. and ASTI acknowledges that said party may rely upon the contents and conclusions presented in this report. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied are made.



2.0 LIMITATION AND EXCEPTIONS

ASTI's scope of work included sampling of suspect homogeneous ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M and ASTM E2356-10 Standard Practice for Comprehensive Building Asbestos Surveys. Suspect materials not identified within this report may be encountered in inaccessible wall cavities, chases, floor cavities, etc. during demolition activities. These materials must be presumed to be ACM until they can be sampled and analyzed for asbestos content.

- Debris piles were observed throughout the first floor, ASTI was unable to thoroughly inspect the debris piles. As a result, there may be unidentified ACMs in the interior of the debris piles.
- The stairway to the basement was block by debris therefore the basement was not inspected.



3.0 SUBJECT PROPERTY DESCRIPTION

The Subject Property consists of a two-story, two-family, 2,426 square foot residence of wood frame and masonry construction with an attic, basement, and a asphalt shingled gabled roof. The residence was constructed in 1911. The Subject Property contained interior finishes such as plaster, linoleum, vinyl floor tile, terrazzo flooring, hardwood floor, glass and paint.



4.0 ASBESTOS-CONTAINING MATERIALS INSPECTION

Ms. Jelaine Tinsley (Asbestos Inspector No. A16395) and Mr. John Schuitema (Asbestos Inspector No. A51781) of ASTI's Site Redevelopment Services Group conducted the ACM inspection of the Subject Property located at 2406-2410 Baldwin Street, Detroit, Michigan on August 11, 2021. Copies of Ms. Jelaine Tinsley and Mr. John Schuitema's resumes and asbestos accreditations are provided in Appendix A.

4.1 <u>Previous Asbestos-Containing Materials Inspections</u>

ASTI is not aware of any previous ACM inspections of the Subject Property.

4.2 Asbestos Inspection Methodology

ASTI's scope of work included sampling of suspect ACMs in accordance with the AHERA and NESHAP protocols. The inspection included a visual inspection of the building in order to identify homogeneous areas of suspect surfacing materials, thermal system insulation, and miscellaneous materials, as well as the sampling of suspect friable and non-friable materials. The following definitions from 40 CFR Part 763 are provided below.

<u>Asbestos-Containing Material (ACM):</u> any material or product which contains more than one percent asbestos.

<u>Surfacing Materials (SM)</u>: material that is troweled-on, sprayed-on or otherwise applied to surfaces for acoustical, fireproofing or other purposes.

<u>Thermal System Insulation (TSI)</u>: material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior components to prevent heat loss or gain, or water condensation or for other purposes.

<u>Miscellaneous Materials (MM):</u> interior building material on structural components, structural members or fixtures such as floors and ceilings and does not include surfacing material or thermal system insulation.

<u>Friable:</u> material that when dry, may be crumbled pulverized or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized or reduced to powder by hand pressure.



<u>Non-friable:</u> material which when dry may not be crumbled, pulverized or reduced to powder by hand pressure.

<u>Homogeneous areas (HAs)</u>: an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture.

4.3 <u>Sample Collection</u>

Samples were collected by physically removing a small piece of suspect material and placing it in a marked plastic bag. Samples were collected using wet methods, as appropriate. The sample collection tool was cleaned prior to each use to avoid cross-contamination of samples. ASTI sampled a variety of materials for asbestos testing. The material types sampled are listed below.

- Duct insulation
- Blown-in insulation
- Roofing materials
- Plaster
- 12" x 12" Floor tile and associated mastics
- Window glaze
- Caulks
- Stair tread
- Mortar

ASTI collected 36 bulk samples from the suspect ACMs. A total of 40 sample layers were analyzed. The bulk samples were transmitted under chain-of-custody protocol to Apex Research Laboratory in Whitmore Lake, Michigan for asbestos analysis using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the US Environmental Protection Agency's (US EPA's) "Interim Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116, June 1993). Sample results are presented in the attached Table 1.

4.4 Laboratory Analytical Results

Building materials identified to contain greater than 1% asbestos are defined as ACMs. Review of the asbestos test results revealed that the following ACMs were identified on the Subject Property:



НА	Material/Description	Location	Asbestos Result
1	Duct vent insulation / White	Throughout	30% Chrysotile
6	12" x 12" floor tile / Tan	2410 unit	5% Chrysotile
11	Porch caulk / Red	Front porch north side	10% Chrysotile

A comprehensive list of sampled materials with analytical results is provided as Table 1. A copy of the laboratory data sheets, along with the chain-of-custodies are included in Appendix B.

Asbestos-Containing Material Quantities

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct vent insulation / White	Throughout	18 vents 40 ft² Visible
12" x 12" floor tile / Tan	2410 unit	250 ft ²
Porch caulk / Red	Front porch north side	~10 lf



5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the inspection completed at the Subject Property, ACMs were identified in the buildings. A summary of the ACMs identified, along with ASTI's recommendations are as follows.

Based on the inspection conducted by ASTI August 11, 2021, the following ACMs were identified on the Subject Property.

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct vent insulation / White	Throughout	18 vents 40 ft² Visible
12" x 12" floor tile / Tan	2410 unit	250 ft ²
Porch caulk / Red	Front porch north side	~10 lf

According to classification guidelines set forth in NESHAP, the duct insulation is classified as friable thermal system insulation (TSI) ACM. Additional TSI may be located in hidden cavities not accessible during the inspection. If any future work, such as renovation or demolition, would disturb this material, it is considered a regulated ACM and must be removed by a licensed abatement contractor

According to classification guidelines set forth in NESHAP, the 12" x 12" tan floor tile is classified as a Category I non-friable ACM. This material in it's current condition represents minimal risk of a fiber release. If renovation or demolition would disturb this material, ASTI recommends the floor tile be removed by a licensed abatement contractor prior to disturbance.

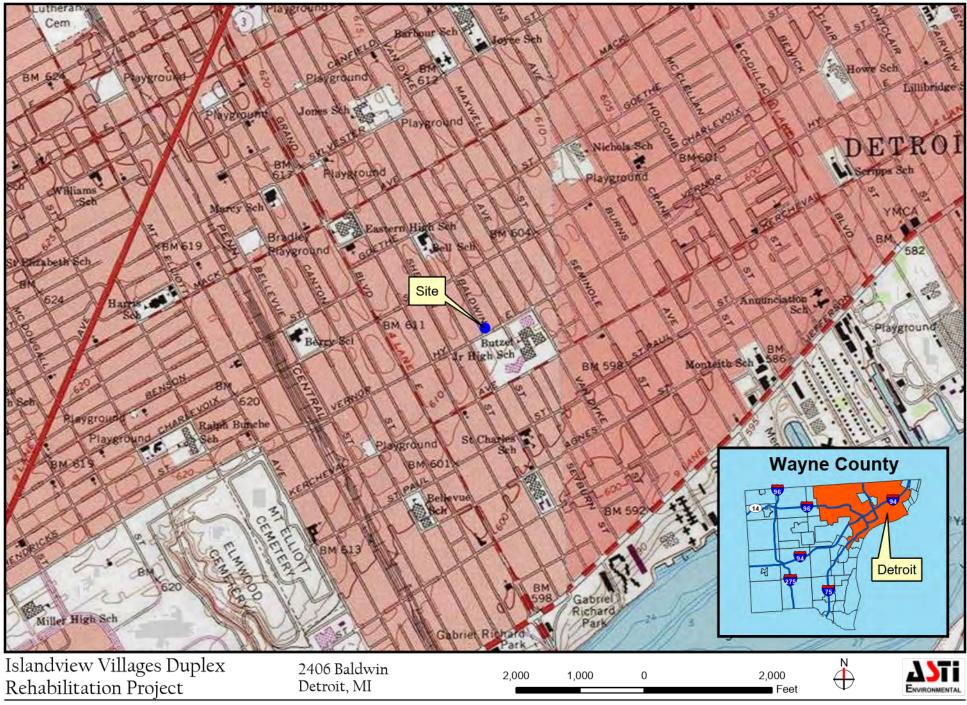
According to classification guidelines set forth in NESHAP, the porch caulk is classified as Category II non-friable ACM. This material in it's current condition represents minimal risk of a fiber release. If renovation or demolition would disturb this material, ASTI recommends the ACM be removed by a licensed abatement contractor prior to disturbance.



Figures

Site Location Map





Tables

1 Asbestos Sample Results



Table Asbestos Sample Results Islandview Villages 2406 - 2410 Baldwin Detroit, Michigan ASTI Project No: 2-11759

ASTI Sample ID	Material/Description	Sample Location	Asbestos Results
1A	Paper-Brown	Around Duct Vents-2410 Bedroom	NAD
1B	Paper-Brown	2410 Dining Room	NAD
2A	Blown-In Insulation-Brown	2410 West Wall Living Room	NAD
2B	Blown-In Insulation-Brown	2410 South Wall Dining Room	NAD
3A	Duct Insulation-White	2410 Bedroom	30 % Chrysotile
3B	Duct Insulation-White	2410 Dining Room	NA
3C	Duct Insulation-White	2410 Living Room	NA
4A –	Roofing,Shingle-Black	South Side	NAD
44	Shingle - Reddish	South Side	NAD
4B	Roofing, Shingle-Black	East Side	NAD
40	Shingle - Reddish	East Side	NAD
5A	Plaster/Finish Coat	2410 Kitchen	NAD
54	Plaster/Base Coat	2410 Kitchen	NAD
5B	Plaster/Finish Coat	2410 Living Room	NAD
<u>эр</u>	Plaster/Base Coat	2410 Living Room	NAD
50	Plaster/Finish Coat	2410 Dining Room	NAD
5C –	Plaster/Base Coat	2410 Dining Room	NAD
F D	Plaster/Finish Coat	2410 Bedroom Room	NAD
5D -	Plaster/Base Coat	2410 Bedroom Room	NAD
	Plaster/Finish Coat	2406 Living Room	NAD
5E	Plaster/Base Coat	2406 Living Room	NAD
5F	Plaster/Base Coat	2406	NAD
5G	Plaster/Base Coat	2406	NAD
	12"x12" Floor Tile - Tan	2410 North	5% Chrysotile
6A –	Mastic	2410 North	NAD
	12"x12" Floor Tile - Tan	2410 South	NA
6B –	Mastic	2410 South	NAD
7A	Window Glaze-White	2410 South	NAD
7B	Window Glaze-White	2410 East	NAD
8A	Window Caulk-Clear	2410 South	NAD
8B	Window Caulk-Clear	2410 East	NAD
9A	Stair Tread-Black	2410 Back Stair	NAD
9B	Stair Tread-Black	2410 Back Stair	NAD
10A	Siding Caulk-White	South 2410	NAD
10B	Siding Caulk-White	North 2410	NAD
11A	Caulk On Porch-Red	Northwest	10% Chrysotile
11B	Caulk On Porch-Red	Southwest	NA
12A	Brick Mortar-Grey	West	NAD
12R	Brick Mortar-Grey	South	NAD
13A	Door Caulk-White	West	NAD
13A 13B	Door Caulk-White	West	NAD
14A	Window Glaze	North	NAD
14/X	Window Glaze	North	NAD
15A	Ext. Basement Window Caulk-Brown	North	NAD
15B	Ext. Basement Window Caulk-Brown	South	NAD

Appendix A

Resume and Accreditation of Ms. Jelaine Tinsley And Mr. John Schuitema







JELAINE D. TINSLEY Environmental Professional

PROFILE

Certifications/Licenses NIOSH 582-Equivalent Course Sampling and Analysis of Airborne Asbestos Fibers OSHA 29 CFR 1910.120 HAZWOPER 40-Hour and 8-Hour Refresher (2020) Asbestos Inspector-Michigan (License No. A16395) Asbestos Inspector-Indiana (License No. 100-19756) Asbestos Inspector-Indiana (License No. 19A007625) Asbestos Hazard Evaluation Specialist-Ohio (License No.ES36108) Asbestos Inspector / Management Planner-Kentucky (License No. 66369) Asbestos Project Designer-Michigan (License No. A16395) Certified Confined Space Entrant and Attendant American Red Cross First Aide and Adult CPR Certified ASTM Certification in RBCA Applied at Petroleum Release Sites Bituminous Testing Technician Michigan Provisional Teaching Certificate

Education Western Michigan University, B.S., Earth Science and Education

Experience History Environmental Professional, ASTI ENVIRONMENTAL Project Manager, Yeoman Group Project Manager, A&F Environmental Environmental Consultant, DLZ Corporation Environmental Consultant, AKT Peerless Geologist, ATC Associates Geologist, NUS Corporation Teacher, Detroit Public Schools Staff Scientist, CTI and Associates, Inc.

<u>Professional Memberships and Service</u> Michigan Association of Environmental Professionals (MAEP) Commercial Real Estate Women Detroit (CREW)

Professional Background

Ms. Tinsley has more than 30 years experience in the environmental industry in a variety of areas including Phase I environmental site assessments (ESAs), Phase II ESAs, baseline environmental assessments (BEAs), subsurface investigations (soil and groundwater testing), soil and groundwater evaluations, asbestos and mold inspections, abatement oversight, and specification development. Ms. Tinsley has also coordinated numerous hazardous material and pre-demolition surveys which included evaluations of asbestos, mold, radon and universal wastes for municipal, commercial, and industrial facilities.

Years Experience:

6 --- ASTI ENVIRONMENTAL 25 --- other firms

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial) to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances. Responsibilities included the preparation and/or review of ASTM Phase I and Phase ESAs, Baseline Environmental Ш Assessments (BEAs), and Due Care Plans. Ms. Tinsley has experience working in Michigan, Illinois, Indiana, Ohio, Kentucky, Tennessee, Georgia, Alabama, Mississippi, and Florida. Ms. Tinsley also has performed listing site evaluations for a dedicated contactor to the US EPA. Ms. Tinsley is also knowledgeable with All Appropriate Inquiries (AAI) per 40 CFR Part 312 and meets the requirements of an Environmental Professional per AAI.

Customer Training

Provided training for financial institutions on the types of properties that should have environmental evaluations.

Vapor Intrusion Evaluation, Jackson, Michigan

Conducted vapor intrusion studies at commercial properties to assess potential vapor migration. Scope of work included coordination of vapor intrusion points, vapor sample collection, and coordination of chemical testing.

CONSTRUCTION TESTING

Conducted construction material analysis which included soil proctors, soil sieve analysis, asphalt extractions, and concrete stress testing.

ASBESTOS INSPECTIONS AND ABATEMENT COORDINATION/OVERSIGHT

Responsible for asbestos program management including coordination and technical lead for hazardous material surveys and asbestos and mold related testing activities.

Asbestos Inspections, City of Detroit Neighborhood Redevelopment Project

Inspector of asbestos hazards at over 300 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Detroit with findings and compliance requirements.

Asbestos Inspections, City of Inkster Neighborhood Redevelopment Project

Conducted asbestos inspections at over 100 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Inkster with findings and compliance requirements.

Large Hotel Detroit, Michigan

Inspected the hotel property as part of a team. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings. Performed oversight of ACM abatement.

Medical Complex Kalamazoo, Michigan

Responsible for coordination of field activities for the ACM abatement of the complex. Conducted schedule and strategy meetings.

Hotel, Detroit, Michigan

Inspected the hotel property. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings.

Former Coal Power Plant

Conducted a thorough asbestos inspection of an inactive multi-building coal power plant in Detroit, Michigan. Collected samples, and performed thorough photo documentation and quantification of all ACMs in the power plant and supporting buildings.

UNDERGROUND STORAGE TANKS AND PETROLEUM REMEDIATION PROJECT

Commercial Development Royal Oak, Michigan

Coordinated the remediation of a former gasoline service station, during site development for a commercial company. Work included Phase I ESA and Phase II site investigation to evaluate USTs and hoists onsite, as well as coordinating a GPR survey for additional USTs on site, a BEA, and a Due Care Plan. Assisted with the development bid specifications for site remediation activities including UST and hoist removal, soil remediation, and asbestos abatement. Coordinated the removal of five (5) USTs, one in-ground hoist, and 300,000 cubic yards of petroleum-impacted soils.









JOHN F. SCHUITEMA Environmental Field Technician

PROFILE

<u>Certifications</u> Asbestos Inspector (A51781) Michigan Lead Inspector/Risk Assessor (P-07409) ICC Property Maintenance Inspector ICC Zoning Inspector 40-Hour OSHA HAZWOPER Training 8-Hour OSHA HAZWOPER Refresher

Education

Lead Inspector/Risk Assessor Training Asbestos Awareness Training Lead Awareness Training Asbestos Inspector Training

Experience History Field Technician, ASTI Environmental Government

Professional Background

Mr. Schuitema has experience in the field with soil sampling, lead dust sampling, asbestos surveys, air monitoring, hazardous materials surveys, and lead inspections. Mr. Schuitema has assisted with Phase II investigations, property condition assessments, mold sampling, indoor air quality assessments, moisture operation and maintenance plans, and performed health and safety related building inspections.

Years' Experience:

3 --- ASTI ENVIRONMENTAL

3 --- Government

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial), to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances.

ASBESTOS AND LEAD INSPECTION AND RISK ASSESSMENTS

Responsible for asbestos inspections and lead inspections and risk assessments on commercial, multi-family, and single-family properties.

Lead Based Paint Inspections and Risk Assessments. Flint Housing Commission

Inspection of lead hazards throughout Flint's public housing complexes, dust wipe sample collection for laboratory analysis, XRF sampling, and writing the report to the Flint Housing Commission with findings and compliance requirements.

Large Apartment Complex in Flint, Michigan

Conducted asbestos inspections of over 100 residential units. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Flint with findings and compliance requirements.

INDOOR AIR QUALITY AND MOLD

Conducted mold assessments and verification sampling on municipal buildings, schools, and private facilities in the State of Michigan. Assessment scopes included mold identification and moisture infiltration, abatement scope design, and post abatement visual inspection and clearance sampling.

Conducted visual and indoor air quality clearance samples for multiple residential homes following ACM removal, prior to demolition, throughout the State of Michigan.

Highrise Apartment Building Detroit, Michigan

Monitored indoor air quality during removal of asbestos containing materials. Provided clearance air sampling upon completion.

Multiple School Buildings Detroit, Michigan

Performed visual inspection, tape lift samples, air sampling, and moisture readings to evaluate potential mold growth. Completed clearance inspection and sampling after remediation and provided the client with a report of methods and findings.

PROPERTY CONDTION ASSESSMENTS

Completed inspections of commercial, industrial, and residential properties in the State of Michigan. Identified physical deficiencies, material defects, and deferred maintenance. Reported findings, including cost estimates for repairs and replacements deemed necessary.

STORM WATER INSPECTIONS

Performed inspections of construction sites to determine compliance with state storm water regulations. Reported deficiencies and recommend remedies.

Large Apartment Complex Howell, Michigan

Conducted weekly inspections during construction to ensure compliance with construction storm water regulations. Provided weekly report with findings, deficiencies, and remedy options to the client and County.

WASTEWATER OPERATIONS

Super Fund Site, St. Joseph, Michigan

Performed monthly maintenance and sampling to insure proper operation and compliance with applicable regulations. Maintained air striper and CatOx system for removal of VOCs from contaminated groundwater.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan

Operated outdoor air monitoring and sampling stations to ensure chemicals of concern and fugitive dust did not leave the property. Performed real time air monitoring during demolition activities.



State of Michigan Department of Labor and Economic Opportunity

Department of Labor and Economic Opportunity Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

C + T TALLET

John F. Schuitema 6790 Hinchey Road Pinckney, MI 48169

Accreditation Number

Expiration Date

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is mit vand if attend.

DOB: 06/17/1981

151348

Appendix B

Results of Asbestos Sample Analysis and Chain of Custody



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95654 - 01 Asbestos Present: NO Cellulose - 50% Cust. #: No Asbestos Observed Other - 50% 1A Material: Paper-Brown Location: Around Duct Vents-2410 Bedroom Appearance: brown,fibrous,homogenous Layer: of 1 1 Asbestos Present: NO Lab ID #: 95654 - 02 Cellulose - 50% Cust. #: No Asbestos Observed Other - 50% 1BMaterial: Paper-Brown Location: 2410 Dining Room Appearance: white, fibrous, homogenous Layer: 1 of 1 Lab ID #: 95654 - 03 Asbestos Present: NO Cellulose - 75% Cust. #: No Asbestos Observed Other - 25% 2AMaterial: Blown-In Insulation-Brown Location: 2410 West Wall Living Room Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

Mr. David Amir / Ms. Jill Tinsley / Mr. John Schuitema ASTI Environmental

Report To:

10448 Citation Dr., Suite 100

Brighton, MI 48116

ARI Report # 21-95654 Date Collected: 08/11/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 08/17/21 Date Reported:



Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Certificate of Laboratory Analysis

Asbestos Type/Percent

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



of

Layer:

NVLAP Lab Code 102118-0

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189





Report To: Mr. David Amir / Ms. Jill Tinsley / Mr. John Schuitema **ASTI Environmental** 10448 Citation Dr., Suite 100 Brighton, MI 48116

Sample Information

ARI Report # 21-95654 Date Collected: 08/11/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Non-Asbestos Material

Lab ID #: 95654 - 04 Cust. #: 2B Material: Blown-In Insulation-Brown Location: 2410 South Wall Dining Room Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 75% Other - 25%	
Lab ID #: 95654 - 05 Cust. #: 3A Material: Duct Insulation-White Location: 2410 Bedroom Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 30%	Other - 70%	
Lab ID #: 95654 - 06 Cust. #: 3B	Asbestos Present:		
Material: Duct Insulation-White Location: 2410 Dining Room Appearance:	NOT ANALYZED		

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

Lab ID #: Cust. #: No Asbestos Observed Other - 85% 4A Roofing, Black Shingle Material: Location: South Side Appearance: black,fibrous,nonhomogenous Layer: 1 of 2 Lab ID #: 95654 - 08a Asbestos Present: NO No Asbestos Observed Other - 85% Cust. #: 4A Material: **Reddish Shingle** Location: South Side Appearance: red,fibrous,nonhomogenous

Sample Information

Report To:
Mr. David Amir / Ms. Jill Tinsley / Mr. John Schuitema
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

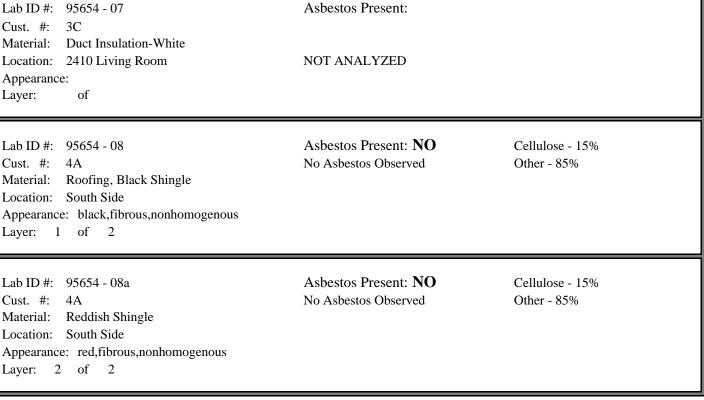
ARI Report # 21-95654 Date Collected: 08/11/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Non-Asbestos Material



Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759



Asbestos Type/Percent



Robert T. Letarte Jr., Laboratory Director



NVLAP Lab Code 102118-0

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189

Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Date Collected: Mr. David Amir / Ms. Jill Tinsley / Mr. John Schuitema **ASTI Environmental** Date Received: 10448 Citation Dr., Suite 100 Date Analyzed: Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95654 - 09 Asbestos Present: NO Cellulose - 15% Cust. #: No Asbestos Observed Other - 85% 4BMaterial: Roofing, Black Shingle Location: East Side

Asbestos Present: NO

Asbestos Present: NO

No Asbestos Observed

No Asbestos Observed

95654 - 09a Lab ID #: Cust. #: 4BMaterial: **Reddish Shingle** Location: East Side Appearance: red,fibrous,homogenous Layer: 2 of 2

Appearance: black,fibrous,homogenous

2

of

1

Report To:

Layer:

Lab ID #: 95654 - 10 Cust. #: 5A Plaster/Finish Coat Material: Location: 2410 Kitchen Appearance: white, nonfibrous, homogenous Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

NVLAP Lab Code 102118-0

Cellulose - 15% Other - 85%

Other - 100%

08/11/21 08/13/21 08/17/21 08/17/21

ARI Report #



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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95654 - 10a Asbestos Present: NO Cellulose - 1% Cust. #: No Asbestos Observed Hair - 1% 5A Material: Plaster/Base Coat Other - 98% Location: 2410 Kitchen Appearance: grey,fibrous,homogenous Layer: 2 of 2 Asbestos Present: NO 95654 - 11 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 5BPlaster/Finish Coat Material: Location: 2410 Living Room Appearance: white, nonfibrous, homogenous Layer: 1 of 2

Asbestos Present: NO

No Asbestos Observed

Location: 2410 Living Room Appearance: grey,fibrous,homogenous Layer: 2 of 2

Lab ID #: 95654 - 11a

5BMaterial: Plaster/Base Coat

Cust. #:

For Layered Samples, each component will be analyzed and reported separately.

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Cellulose - 1%

Hair - 1%

Other - 98%

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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Report To: Mr. David Amir / Ms. Jill Tinsley / Mr. John Schuitema **ASTI Environmental** 10448 Citation Dr., Suite 100 Brighton, MI 48116

ARI Report # 21-95654 Date Collected: 08/11/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21



Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95654 - 12 Asbestos Present: NO Other - 100% Cust. #: 5C No Asbestos Observed Material: Plaster/Finish Coat Location: 2410 Dining Room Appearance: white, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95654 - 12a Lab ID #: Cellulose - 1% Cust. #: No Asbestos Observed Hair - 1% 5C Material: Plaster/Base Coat Other - 98% Location: 2410 Dining Room Appearance: grey,fibrous,homogenous Layer: 2 of 2 Lab ID #: 95654 - 13 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 5D

For Layered Samples, each component will be analyzed and reported separately.

Plaster/Finish Coat

Appearance: white, nonfibrous, homogenous

2

Location: 2410 Bedroom Room

Material:

Layer:

1 of

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Robert T. Letarte Jr., Laboratory Director

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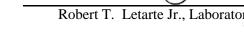
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Report To:

ASTI Environmental

Brighton, MI 48116

10448 Citation Dr., Suite 100





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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95654 - 13a Asbestos Present: NO Cellulose - 1% Cust. #: No Asbestos Observed Hair - 1% 5D Material: Plaster/Base Coat Other - 98% Location: 2410 Bedroom Room Appearance: grey,fibrous,homogenous Layer: 2 of 2 Asbestos Present: NO 95654 - 14 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 5E Plaster/Finish Coat Material: Location: 2406 Living Room Appearance: white, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 95654 - 14a Asbestos Present: NO Cellulose - 1% No Asbestos Observed Hair - 1% Cust. #: 5E Material: Plaster/Base Coat Other - 98% Location: 2406 Living Room Appearance: grey,fibrous,homogenous Layer: 2 of 2

For Layered Samples, each component will be analyzed and reported separately.

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 08/13/21

 Date Analyzed:
 08/17/21

 Date Reported:
 08/17/21



Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95654 - 15 Asbestos Present: NO Other - 100% Cust. #: 5F No Asbestos Observed Material: Plaster/Finish Coat Location: 2406 Appearance: white, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95654 - 15a Lab ID #: Cellulose - 1% Cust. #: 5F No Asbestos Observed Hair - 1% Plaster/Base Coat Material: Other - 98% Location: 2406 Appearance: grey,fibrous,homogenous Layer: 2 of 2 Lab ID #: 95654 - 16 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 5GPlaster/Finish Coat Material: Location: 2406 Appearance: white, nonfibrous, homogenous Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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 ARI Report #
 21-95654

 Date Collected:
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 Date Received:
 08/13/21

 Date Analyzed:
 08/17/21

 Date Reported:
 08/17/21



Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95654 - 16a Asbestos Present: NO Cellulose - 1% Cust. #: 5G No Asbestos Observed Hair - 1% Material: Plaster/Base Coat Other - 98% Location: 2406 Appearance: grey,fibrous,homogenous Layer: of 2 2 Asbestos Present: YES 95654 - 17 Other - 95% Lab ID #: Cust. #: Chrysotile - 5% 6A 12"x12" Tan Floor Tile Material: Location: 2410 North Appearance: beige,fibrous,homogenous Layer: 1 of 2 Lab ID #: 95654 - 17a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 6A Material: Mastic Location: 2410 North Appearance: black,nonfibrous,homogenous Layer: 2 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

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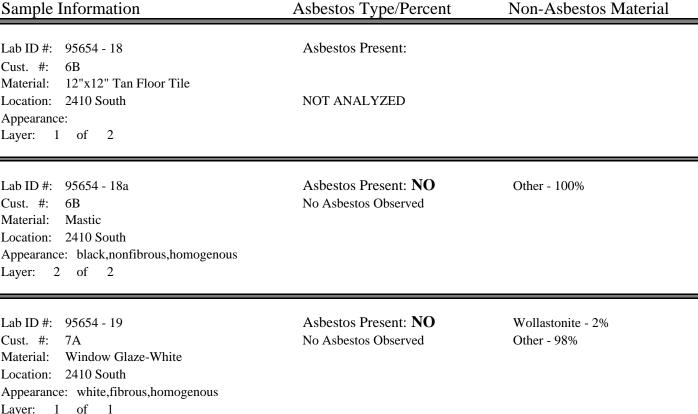
Lab ID #: 95654 - 18 Asbestos Present: Cust. #: 6R Material: 12"x12" Tan Floor Tile Location: 2410 South NOT ANALYZED Appearance: Layer: 2 1 of Asbestos Present: NO 95654 - 18a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 6B Material: Mastic Location: 2410 South Appearance: black,nonfibrous,homogenous Layer: 2 of 2 Lab ID #: 95654 - 19 Asbestos Present: NO Wollastonite - 2% No Asbestos Observed Other - 98% Cust. #: 7A Window Glaze-White Material: Location: 2410 South Appearance: white, fibrous, homogenous Layer:

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

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Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95654 - 20 Asbestos Present: NO Wollastonite - 2% Cust. #: No Asbestos Observed Other - 98% 7RMaterial: Window Glaze-White Location: 2410 East Appearance: white, fibrous, homogenous Layer: of 1 1 Asbestos Present: NO 95654 - 21 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 8A Material: Window Caulk Clear Location: 2410 South Appearance: clear, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 95654 - 22 Asbestos Present: NO Other - 100% No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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Cust. #:

Material:

Layer:

8B

Location: 2410 East

1 of 1

Window Caulk Clear

Appearance: clear, nonfibrous, homogenous



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ARI Report # 21-95654 Date Collected: 08/11/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Project # :2-11759

Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin

Brighton, MI 48116 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95654 - 23 Asbestos Present: NO Cellulose - 5% Cust. #: No Asbestos Observed Other - 95% 9A Material: Stair Tread Black Location: 2410 Back Stair Appearance: black,fibrous,nonhomogenous Layer: of 1 1 Asbestos Present: NO 95654 - 24 Cellulose - 5% Lab ID #: Cust. #: No Asbestos Observed Other - 95% 9B Material: Stair Tread Black Location: 2410 Back Stair Appearance: black,fibrous,homogenous Layer: 1 of 1 Lab ID #: 95654 - 25 Asbestos Present: NO Wollastonite - 2%

Cust. #: 10A Material: Siding Caulk-White Location: South 2410 Appearance: white, fibrous, homogenous Layer: 1 of 1

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For Layered Samples, each component will be analyzed and reported separately.

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No Asbestos Observed



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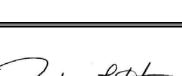




08/11/21

08/13/21

08/17/21



Other - 98%

Date Analyzed: Date Reported:

Date Collected:

Date Received:

Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95654 - 26 Asbestos Present: NO Wollastonite - 2% Cust. #: No Asbestos Observed Other - 98% 10B Material: Siding Caulk-White Location: North 2410 Appearance: white, fibrous, homogenous Layer: of 1 1 Asbestos Present: YES Other - 90% Lab ID #: 95654 - 27 Cust. #: Chrysotile - 10% 11A Material: Caulk On Porch-Red Location: Northwest Appearance: red,fibrous,homogenous Layer: 1 of 1 Lab ID #: 95654 - 28 Asbestos Present: Cust. #: 11**B** Caulk On Porch-Red Material: Location: Southwest NOT ANALYZED Appearance: Layer: of

For Layered Samples, each component will be analyzed and reported separately.

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Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Certificate of Laboratory Analysis

Sample Information Asbestos Type/Percent

Other - 100% Lab ID #: 95654 - 29 Asbestos Present: NO Cust. #: No Asbestos Observed 12A Material: Brick Mortar-Grey Location: West Appearance: grey, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO 95654 - 30 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 12B Material: Brick Mortar-Grey Location: South Appearance: grey, nonfibrous, homogenous of Layer: 1 1 Lab ID #: 95654 - 31 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 13A Door Caulk White Material: Location: West Appearance: white, nonfibrous, homogenous Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 21-95654 Date Collected: 08/11/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Non-Asbestos Material

Test Method, Polarized Light Microscopy (PLM)

Project : 2406-2410 Baldwin Project # :2-11759

Asbestos Type/Percent

Report To: Mr. David Amir / Ms. Jill Tinsley / Mr. John Schuitema **ASTI Environmental** 10448 Citation Dr., Suite 100 Brighton, MI 48116

Lab ID #: 95654 - 32 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 13B Material: Door Caulk White Location: West Appearance: white, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO 95654 - 33 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 14A Material: Window Glaze Location: North Appearance: beige, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 95654 - 34 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 14B Window Glaze Material: Location: North Appearance: beige, nonfibrous, homogenous Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Sample Information

NVLAP Lab Code 102118-0







21-95654

08/11/21

08/13/21

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08/17/21

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Date Collected:

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Non-Asbestos Material

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95654 - 35 Cust. #: 15A Material: Ext. Basement Window Caulk-Brown Location: North Appearance: clear,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95654 - 36 Cust. #: 15B Material: Ext. Basement Window Caulk-Brown Location: South Appearance: clear,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

Certificate of Laboratory Analysis Test Method, Polarized Light Microscopy (PLM)

> Project: 2406-2410 Baldwin Project # :2-11759

Report To: Mr. David Amir / Ms. Jill Tinsley / Mr. John Schuitema **ASTI Environmental** 10448 Citation Dr., Suite 100 Brighton, MI 48116

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		Date of Survey: ダ.」1. こっこ	Lab Use Only
Customer N	Customer Name: ASTI Environmental	Project: 2406 - 2410	Log-In:
Address: 104	Address: 10448 Citation Drive	1759	Report:
City, St., Zip:	: Brighton, Michigan 48116	Contact Pe	John Schuitenne Fax:
Phone: 810.225.2800	225.2800	310.225.3800	env.com Verbal:
Turn Around T	Turn Around Time: (Circle One)***Terms and conditions on the other side	ns and conditions on the other side. Circle analyses required, indicate type and quantitye asti-eavies	
Rush	24 hour	Asbestos: Bulk X Wipe Point Count	PCM
48 hour	72 hour	Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO Air	Paint Bulk
Other:	TTP Ves	y no Mold: Bulk Air/Zefon/AlergencoD	BioSIS Tape
Samples received after 3pm logged in next morning	3pm (Test Till Positive) 3	TEM: Bulk/NOB NIOSH 7402	EPA Level II Other
Lab ID	Customer ID #	Material/Location Volume Area	Results
	1 A	Proper-Brown / through Duck vends - 2410 Bedroom	
	91	/ 2410 Dining room	
	Z.A	Blown-in insulation-Brown / 2410 west will Living room	
	213	V 2410 South whit Dining room	
	3 A		
	313	M COTY	
	2 E		
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	11054 Hi Tee	11054 Hi Tech Drive, Whitmore Lake, MI 48189. P	Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	x (734) 449 - 999	1 www.ApexMI.c	COM APE	
			Date of Survey:	8.11.2	1202	Lab Use Only	nly
Customer Na	Customer Name: ASTI Environmental	nmental	Project: 2406-	2410 Baldwin	win	Log-In:	
Address: 1044	Address: 10448 Citation Drive		Project # <u>2 -</u>	11759		Report:	
City, St., Zip:	City, St., Zip: Brighton, Michigan 48116	n 48116	Contact Person: Davi	avid Amir / Jil	II Tinsley / Joh	Id Amir / Jill Tinsley /John Schuitern Fax:	1
Phone: 810.2	810.225.2800	Fax: 810.225.3800	Email: damir@asti-env	env.com / jtin	<pre>/.com / jtinsley@asti-env.com</pre>	IV.com	1
Turn Around Ti	Turn Around Time: (circle one) HTerms and conditions on the other side	s and conditions on the other side.	Circle analyses required, indicate type and quantity & astrony commenting the mail:	red, indicate t	ype and quan	tity & a strawny Email:	
Rush	24 hour	Asbestos:	Bulk 🔀 Wipe	 	Point Count	PCM	
48 hour	72 hour	Lead / Cad / Chrome:	Wipe ASTM E1792? circle YES	or NO	Air F	Paint Bulk	
Other:	TTP (VES))/ no Mold:	Bulk Air/Z	Air/Zefon/AlergencoD	and the second	BioSIS Tape	1
Samples received after 3pm logged in next morning	3pm (Test Till Positive)	ve) TEM:	Bulk/NOB	NIOSH 7402	EPA Level II	el II Other	
Lab ID	Customer ID #	Material/Location	cation	Volume	Area	Results	
	50	Plaster white over gray	2410 Bedroom				
	5E	12406 Living noom	om				
	SF						
	26	1 2406					
	6A	12"×12" Tan Floor He	/ 2410 North				
1	68	11 / Z410 South					
	UL		2410 1 South				
	96	\$ / 2410 East					
	A &	window coult clear	2410 South				
	SB	1 12410 East				-	
	цЬ	Star Tread Black I.	2410, Back Starr				
	9B	\$ /2410 Rock	Starr V				
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Address: 104	Address: 10448 Citation Drive	+F	2	Report:
City, St., Zip:	City, St., Zip: Brighton, Michigan 48116		Contact Person: David Amir / Jill Tinsley/John Schuifere	<u>`</u>
Phone: 810.225.2800	225.2800	Fax: 810.225.3800 Email: damir@asti-	Email: damir@asti-env.com / jtinsley@asti-env.com	Ľ
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Appendix C

Photos



PHOTO LOG 2406-2410 Baldwin Street, Detroit, Michigan

	Photo 1. View of the 2406 – 2410 Baldwin Street front
<image/>	Photo 2. View of the 2406 – 2410 Baldwin Street south side
	Photo 3. View of the 2406 – 2410 Baldwin Street north side



PHOTO LOG 2406-2410 Baldwin Street, Detroit, Michigan

Photo 4. View of asbestos- containing duct insulation
Photo 5. View of asbestos- containing floor tile
Photo 6. View of asbestos- containing red porch caulk



ASTI ENVIRONMENTAL

Environmental Investigation, Remediation, Compliance and Restoration Projects Throughout The Great Lakes Since 1985.

OUR SERVICES INCLUDE:

- ASBESTOS, LEAD, MOLD, AND RADON ASSESSMENTS
- BROWNFIELD/GREYFIELD REDEVELOPMENT ASSISTANCE
- DEVELOPMENT INCENTIVES AND GRANT MANAGEMENT
- ECOLOGICAL ASSESSMENTS AND RESTORATION
- ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS
- ENVIRONMENTAL OPPORTUNITIES ASSESSMENT
- GIS MAPPING
- HAZARD MITIGATION PLANNING
- MINING AND RECLAMATION ASSISTANCE
- REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE
- PHASE I ESA AND ENVIRONMENTAL DUE DILIGENCE ASSESSMENTS
- REGULATORY COMPLIANCE AND PERMITTING
- SOIL AND GROUNDWATER ASSESSMENTS
- SOIL AND GROUNDWATER REMEDIATION
- STORAGE TANK COMPLIANCE AND CLOSURE
- THREATENED AND ENDANGERED SPECIES SURVEYS
- WATERSHED AND STORMWATER MANAGEMENT PROGRAMS
- WETLAND DELINEATION, PERMITTING, MITIGATION AND BANKING

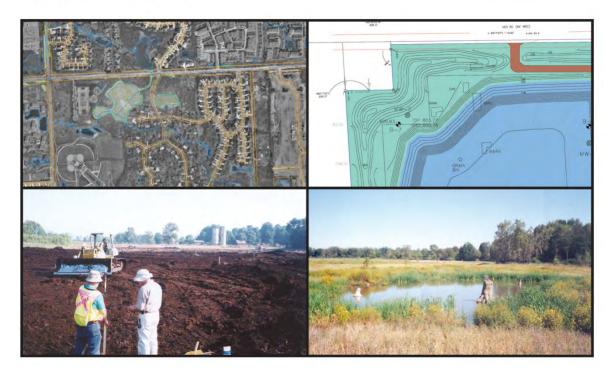


Asbestos-Containing Materials Inspection 2251 - 2253 Sheridan Street Detroit, Michigan 48214

Develop Detroit, Inc.

October 7, 2021

ASTI ENVIRONMENTAL





Asbestos-Containing Materials Inspection 2251 – 2253 Sheridan Street Detroit, Michigan 48214

October 7, 2021

Report Prepared For:

Develop Detroit Inc 1452 Randolph Street Suite 300 Detroit, Michigan 48226

Report Prepared By:

ASTI Environmental 10448 Citation Drive, Suite 100 Brighton, Michigan 48116 1-800-395-ASTI

ASTI Project No. 2-11759

Report Prepared by:

laine Junsla

Jelaine D. Tinsley Asbestos Inspector (A16395)

Report Reviewed by:

David A. Amir, EP Director-Site Redevelopment Services



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- A Resume and Accreditations of Ms. Jelaine Tinsley and Mr. John Schuitema
- B Results of Asbestos Sample Analysis and Chain of Custody
- C Photos

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Executive Summary

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection of the building located at 2251 – 2253 Sheridan Street, Detroit, Michigan (Subject Property). ASTI's scope of work included sampling of suspect ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M.

The structure inspected consists of a two-story, two-family flat residence with a basement. Based on the inspection conducted by ASTI on August 10, 2021 the following ACMs were identified on the Subject Property:

MATERIAL	LOCATION	ESTIMATED QUANTITY
Floor tile / Cream	Southwest bedroom unit 2251	150 ft ²
12" x 12" floor tile / Cream & Brown	Unit 2251 Hallway	200 ft ²
Pipe joint insulation	Basement 2253	1 joint visible
12" x 12" floor tile / White	Northwest bedroom unit 2253	120 ft ²



1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection at 2251 – 2253 Sheridan Street, Detroit, Michigan (Subject Property). Refer to the attached Site Location Map for the approximate location of the Subject Property. The information and opinions rendered in this report are prepared for the benefit of Develop Detroit Inc.; ASTI acknowledges that said party may rely upon the contents and conclusions presented in this report. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied are made.



2.0 LIMITATION AND EXCEPTIONS

ASTI's scope of work included sampling of suspect homogeneous ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M and ASTM E2356-10 Standard Practice for Comprehensive Building Asbestos Surveys. Suspect materials not identified within this report may be encountered in inaccessible wall cavities, chases, floor cavities, etc. during demolition activities. These materials must be presumed to be ACM until they can be sampled and analyzed for asbestos content.



3.0 SUBJECT PROPERTY DESCRIPTION

The Subject Property consists of a two-story, two-family, 3,952 square foot residence of wood frame and masonry construction with an attic, basement, and a asphalt-shingled gabled roof. The Subject Property contained interior finishes such as plaster, linoleum, vinyl floor tile, terrazzo flooring, ceramic tile, hardwood floor, glass and paint.



4.0 ASBESTOS-CONTAINING MATERIALS INSPECTION

Ms. Jelaine Tinsley (Asbestos Inspector No. A16395) and Mr. John Schuitema (Asbestos Inspector No. A51781) of ASTI's Site Redevelopment Services Group conducted the ACM inspection of the Subject Property located at 2251-2253 Sheridan Street, Detroit, Michigan on August 10, 2021. Copies of Ms. Jelaine Tinsley and Mr. John Schuitema's resumes and asbestos accreditations are provided in Appendix A.

4.1 Previous Asbestos-Containing Materials Inspections

ASTI is not aware of any previous ACM inspections of the Subject Property.

4.2 Asbestos Inspection Methodology

ASTI's scope of work included sampling of suspect ACMs in accordance with the AHERA and NESHAP protocols. The inspection included a visual inspection of the building in order to identify homogeneous areas of suspect surfacing materials, thermal system insulation, and miscellaneous materials, as well as the sampling of suspect friable and non-friable materials. The following definitions from 40 CFR Part 763 are provided below.

<u>Asbestos-Containing Material (ACM):</u> any material or product which contains more than one percent asbestos.

<u>Surfacing Materials (SM)</u>: material that is troweled-on, sprayed-on or otherwise applied to surfaces for acoustical, fireproofing or other purposes.

<u>Thermal System Insulation (TSI)</u>: material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior components to prevent heat loss or gain, or water condensation or for other purposes.

<u>Miscellaneous Materials (MM):</u> interior building material on structural components, structural members or fixtures such as floors and ceilings and does not include surfacing material or thermal system insulation.

<u>Friable:</u> material that when dry, may be crumbled pulverized or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized or reduced to powder by hand pressure.



<u>Non-friable:</u> material which when dry may not be crumbled, pulverized or reduced to powder by hand pressure.

<u>Homogeneous areas (HAs)</u>: an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture.

4.3 <u>Sample Collection</u>

Samples were collected by physically removing a small piece of suspect material and placing it in a marked plastic bag. Samples were collected using wet methods, as appropriate. The sample collection tool was cleaned prior to each use to avoid cross-contamination of samples. ASTI sampled a variety of materials for asbestos testing. The material types sampled are listed below.

- Mortar
- Textured paint
- Faux brick siding
- Paper insulation
- Cove-base
- 12" x 12" Floor tile and associated mastics
- Grout
- Plaster
- Drywall
- Adhesive
- Window glaze
- Roofing materials
- Paper insulation
- Pipe insulation & joint insulation

ASTI collected 49 bulk samples from the suspect ACMs. A total of 73 sample layers were analyzed. Two sample layers were point counted. The bulk samples were transmitted under chain-of-custody protocol to Apex Research Laboratory in Whitmore Lake, Michigan for asbestos analysis using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the US Environmental Protection Agency's (US EPA's) "Interim Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116, June 1993). Sample results are presented in the attached Table 1.



4.4 Laboratory Analytical Results

Building materials identified to contain greater than 1% asbestos are defined as ACMs. Review of the asbestos test results revealed that the following ACMs were identified on the Subject Property:

НА	Material/Description	Location	Asbestos Result
11	Floor tile / Cream	Southwest bedroom- 2251 Sheridan	1.5% Chrysotile (PC)
13	12" x 12" floor tile / Cream & Brown	Hallway- 2251 Sheridan	1.75% Chrysotile (PC)
18	Pipe joint insulation	Basement- 2253 Sheridan	30% Chrysotile
20	12" x 12" floor tile / White	Northwest bedroom- 2253 Sheridan	5% Chrysotile

A comprehensive list of sampled materials with analytical results is provided as Table 1. A copy of the laboratory data sheets, along with the chain-of-custodies are included in Appendix B.

MATERIAL	LOCATION	ESTIMATED QUANTITY	
Floor tile / Cream	Southwest bedroom- 2251 Sheridan	150 ft ²	
12" x 12" floor tile / Cream & Brown	Hallway- 2251 Sheridan	200 ft ²	
Pipe joint insulation	Basement- 2253 Sheridan	1 joint visible	
12" x 12" floor tile / White	Northwest bedroom- 2253 Sheridan	120 ft ²	

Asbestos-Containing Material Quantities



5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the inspection completed at the Subject Property, ACMs were identified in the buildings. A summary of the ACMs identified, along with ASTI's recommendations are as follows.

Based on the inspection conducted by ASTI August 10, 2021, the following ACMs were identified on the Subject Property.

MATERIAL	LOCATION	ESTIMATED QUANTITY
Floor tile / Cream	Southwest bedroom- 2251 Sheridan	150 ft ²
12" x 12" floor tile / Cream & Brown	Hallway- 2251 Sheridan	200 ft ²
Pipe joint insulation	Basement- 2253 Sheridan	1 pipe joint visible
12" x 12" floor tile / White	Northwest bedroom- 2253 Sheridan	120 ft ²

According to classification guidelines set forth in NESHAP, the pipe joint insulation is classified as friable thermal system insulation (TSI) ACM. Additional TSI may be located in hidden cavities not accessible during the inspection. If any future work, such as renovation or demolition, would disturb this material, it is considered a regulated ACM and must be removed by a licensed abatement contractor

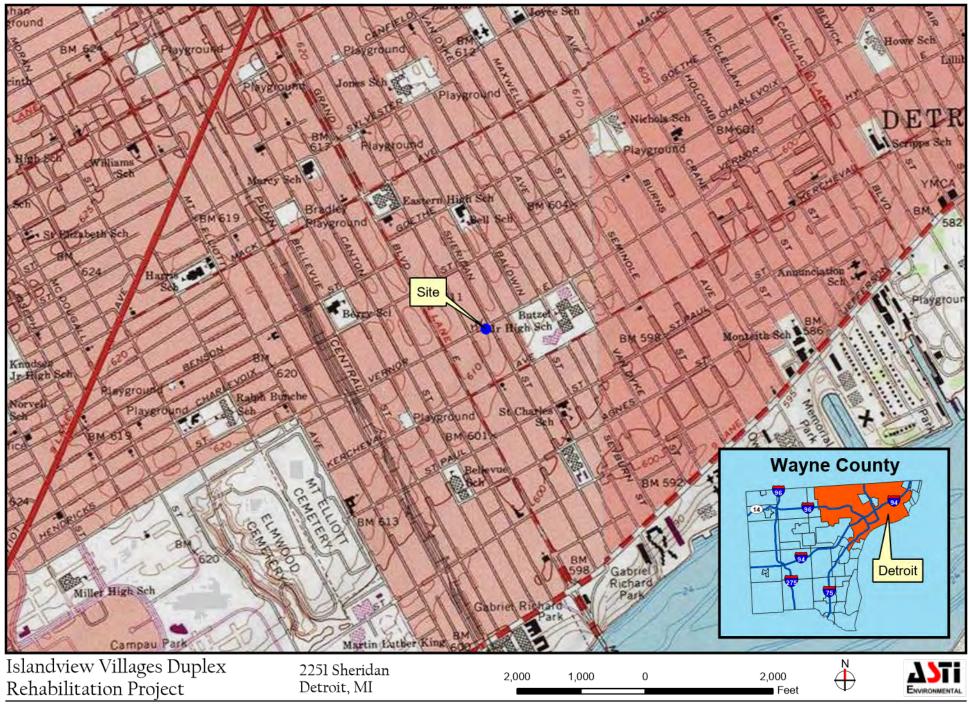
According to classification guidelines set forth in NESHAP, the floor tile samples are classified as a Category I non-friable ACMs. These materials in their current condition represents minimal risk of a fiber release. If renovation or demolition would disturb these materials, ASTI recommends the floor tiles be removed by a licensed abatement contractor prior to disturbance.



Figures

Site Location Map





Tables

1 Asbestos Sample Results



Table 1 Asbestos Sample Results Islandview Village 2251 - 2253 Sheridan Detroit, Michigan ASTI Project No: 2-11759

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
1A	Brick Mortar - Grey	North Side	NAD
1B	Brick Mortar - Grey	East Side	NAD
2A	Textured Paint - Cream	Kitchen 2251	NAD
2B	Textured Paint - Cream	Dining Room 2251	NAD
2C	Textured Paint - Cream	2251	NAD
ЗA	Roll on Textured Paint - Cream	Entry 2251	NAD
3B	Roll on Textured Paint - Cream	Bedroom 2251	NAD
3C	Roll on Textured Paint - Cream	2251	NAD
4A	Faux Brick Asphalt Siding - Red	East Side 2251	NAD
4B	Faux Brick Asphalt Siding - Red	East Side 2253	NAD
5A	Paper Insulation- Grey	Beneath Wood Siding 2251	NAD
5B	Paper Insulation- Grey	Beneath Wood Siding 2251	NAD
6A	4" Cove Base - Cream	Dethroom 2251	NAD
бА	Glue	Bathroom 2251	NAD
6B	4" Cove Base - Cream	Bathroom 2251	NAD
ов	Glue	Bathroom 2251	NAD
7A	12"x12" Floor Tile - Tan	2251 Kitchen	NAD
7.4	Glue	2251 Kilchen	NAD
7B	12"x12" Floor Tile - Tan	2251 Kitchon	NAD
/B	Glue	2251 Kitchen	NAD
	Ceramic Tile - Cream		NAD
8A	Grout - Grey	2251 Bathroom	NAD
	Mortar		NAD
	Ceramic Tile - Cream		NAD
8B	Grout - Grey	2251 Bathroom	NAD
	Mortar		NAD
9A	Plaster Finish Coat	2251	NAD
9A	Plaster Base Coat		NAD
9B	Plaster Finish Coat	2251	NAD
96	Plaster Base Coat		NAD
9C	Plaster Finish Coat	2251	NAD
90	Plaster Base Coat	2251	NAD
9D	Plaster Finish Coat	2251	NAD
90	Plaster Base Coat	2251	NAD
05	Plaster Finish Coat	0054	NAD
9E	Plaster Base Coat	2251	NAD
05	Plaster Finish Coat	2254	NAD
9F	Plaster Base Coat	2251	NAD
	Plaster Finish Coat	2054	NAD
9G —	Plaster Base Coat	2251	NAD
10A	Drywall White	2251 Attic	NAD
10B	Drywall White	2251 Attic	NAD

Table 1 Asbestos Sample Results Islandview Village 2251 - 2253 Sheridan Detroit, Michigan ASTI Project No: 2-11759

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
	12"x12" Floor Tile - White/Black Squares		NAD
11A	Glue	SW Bedroom 2251	NAD
	Floor Tile - Cream	SW Bedroom 2251	1.50% Chrysotile (PC)
	Mastic		NAD
	12"x12" Floor Tile - White/Black Squares		NAD
11B -	Glue	SW Bedroom 2251	NAD
	Floor Tile - Cream	SW Bedroom 2251	NA
	Mastic		NAD
12A	Adhesive - Yellowish	Bathroom 2251	NAD
12B	Adhesive - Yellowish	Batiliooni 2231	NAD
13A	12"x12" Floor Tile - Cream/Brown	Hallway 2251 2nd Floor	1.75% Chrysotile (PC)
134	Glue		NAD
13B	12"x12" Floor Tile - Cream/Brown	Hallway 2251 2nd Floor	NA
136	Glue	Hallway 2251 210 Floor	NAD
14A	Window Glaze - Off White	Window Over Stairs 2251	NAD
14B	Window Glaze - Off White	Middle Bedroom 2251	NAD
15A	Flashing - Black	Roof	NAD
134	Roof Shing - Reddish		NAD
15B	Flashing - Black	Roof	NAD
130	Roof Shing - Reddish	Rool	NAD
16A	Paper Insulation - Brown	Basement 2253	NAD
16B	Paper Insulation - Brown	Basement 2253	NAD
17A	Pipe Insulation	Basement 2253	NAD
17B	Pipe Insulation	Basement 2253	NAD
17C	Pipe Insulation	Basement 2253	NAD
18A	Pipe Joint Insulation	Basement 2253	30% Chrysotile
18B	Pipe Joint Insulation	Basement 2253	NA
18C	Pipe Joint Insulation	Basement 2253	NA
19A	12"x12" Floor Tile - Grey w/ Cream Faux Stone	Kitchen 2253	NAD
137	Glue	Ritchen 2235	NAD
19B	12"x12" Floor Tile - Grey w/ Cream Faux Stone	Kitchen 2253	NAD
130	Glue		NAD
20A	12"x12" Floor Tile - White	NW Bedroom 2253	5% Chrysotile
204	Glue		NAD
20B	12"x12" Floor Tile - White	NW Bedroom 2253	NA
200	Glue		NAD

Appendix A

Resume and Accreditation of Ms. Jelaine Tinsley And Mr. John Schuitema







JELAINE D. TINSLEY Environmental Professional

PROFILE

Certifications/Licenses NIOSH 582-Equivalent Course Sampling and Analysis of Airborne Asbestos Fibers OSHA 29 CFR 1910.120 HAZWOPER 40-Hour and 8-Hour Refresher (2020) Asbestos Inspector-Michigan (License No. A16395) Asbestos Inspector-Inliana (License No. 100-19756) Asbestos Inspector-Indiana (License No. 19A007625) Asbestos Hazard Evaluation Specialist-Ohio (License No.ES36108) Asbestos Inspector / Management Planner-Kentucky (License No. 66369) Asbestos Project Designer-Michigan (License No. A16395) Certified Confined Space Entrant and Attendant American Red Cross First Aide and Adult CPR Certified ASTM Certification in RBCA Applied at Petroleum Release Sites Bituminous Testing Technician Michigan Provisional Teaching Certificate

Education Western Michigan University, B.S., Earth Science and Education

Experience History Environmental Professional, ASTI ENVIRONMENTAL Project Manager, Yeoman Group Project Manager, A&F Environmental Environmental Consultant, DLZ Corporation Environmental Consultant, AKT Peerless Geologist, ATC Associates Geologist, NUS Corporation Teacher, Detroit Public Schools Staff Scientist, CTI and Associates, Inc.

<u>Professional Memberships and Service</u> Michigan Association of Environmental Professionals (MAEP) Commercial Real Estate Women Detroit (CREW)

Professional Background

Ms. Tinsley has more than 30 years experience in the environmental industry in a variety of areas including Phase I environmental site assessments (ESAs), Phase II ESAs, baseline environmental assessments (BEAs), subsurface investigations (soil and groundwater testing), soil and groundwater evaluations, asbestos and mold inspections, abatement oversight, and specification development. Ms. Tinsley has also coordinated numerous hazardous material and pre-demolition surveys which included evaluations of asbestos, mold, radon and universal wastes for municipal, commercial, and industrial facilities.

Years Experience:

6 --- ASTI ENVIRONMENTAL 25 --- other firms

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial) to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances. Responsibilities included the preparation and/or review of ASTM Phase I and Phase ESAs, Baseline Environmental Ш Assessments (BEAs), and Due Care Plans. Ms. Tinsley has experience working in Michigan, Illinois, Indiana, Ohio, Kentucky, Tennessee, Georgia, Alabama, Mississippi, and Florida. Ms. Tinsley also has performed listing site evaluations for a dedicated contactor to the US EPA. Ms. Tinsley is also knowledgeable with All Appropriate Inquiries (AAI) per 40 CFR Part 312 and meets the requirements of an Environmental Professional per AAI.

Customer Training

Provided training for financial institutions on the types of properties that should have environmental evaluations.

Vapor Intrusion Evaluation, Jackson, Michigan

Conducted vapor intrusion studies at commercial properties to assess potential vapor migration. Scope of work included coordination of vapor intrusion points, vapor sample collection, and coordination of chemical testing.

CONSTRUCTION TESTING

Conducted construction material analysis which included soil proctors, soil sieve analysis, asphalt extractions, and concrete stress testing.

ASBESTOS INSPECTIONS AND ABATEMENT COORDINATION/OVERSIGHT

Responsible for asbestos program management including coordination and technical lead for hazardous material surveys and asbestos and mold related testing activities.

Asbestos Inspections, City of Detroit Neighborhood Redevelopment Project

Inspector of asbestos hazards at over 300 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Detroit with findings and compliance requirements.

Asbestos Inspections, City of Inkster Neighborhood Redevelopment Project

Conducted asbestos inspections at over 100 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Inkster with findings and compliance requirements.

Large Hotel Detroit, Michigan

Inspected the hotel property as part of a team. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings. Performed oversight of ACM abatement.

Medical Complex Kalamazoo, Michigan

Responsible for coordination of field activities for the ACM abatement of the complex. Conducted schedule and strategy meetings.

Hotel, Detroit, Michigan

Inspected the hotel property. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings.

Former Coal Power Plant

Conducted a thorough asbestos inspection of an inactive multi-building coal power plant in Detroit, Michigan. Collected samples, and performed thorough photo documentation and quantification of all ACMs in the power plant and supporting buildings.

UNDERGROUND STORAGE TANKS AND PETROLEUM REMEDIATION PROJECT

Commercial Development Royal Oak, Michigan

Coordinated the remediation of a former gasoline service station, during site development for a commercial company. Work included Phase I ESA and Phase II site investigation to evaluate USTs and hoists onsite, as well as coordinating a GPR survey for additional USTs on site, a BEA, and a Due Care Plan. Assisted with the development bid specifications for site remediation activities including UST and hoist removal, soil remediation, and asbestos abatement. Coordinated the removal of five (5) USTs, one in-ground hoist, and 300,000 cubic yards of petroleum-impacted soils.









JOHN F. SCHUITEMA Environmental Field Technician

PROFILE

<u>Certifications</u> Asbestos Inspector (A51781) Michigan Lead Inspector/Risk Assessor (P-07409) ICC Property Maintenance Inspector ICC Zoning Inspector 40-Hour OSHA HAZWOPER Training 8-Hour OSHA HAZWOPER Refresher

Education

Lead Inspector/Risk Assessor Training Asbestos Awareness Training Lead Awareness Training Asbestos Inspector Training

Experience History Field Technician, ASTI Environmental Government

Professional Background

Mr. Schuitema has experience in the field with soil sampling, lead dust sampling, asbestos surveys, air monitoring, hazardous materials surveys, and lead inspections. Mr. Schuitema has assisted with Phase II investigations, property condition assessments, mold sampling, indoor air quality assessments, moisture operation and maintenance plans, and performed health and safety related building inspections.

Years' Experience:

3 --- ASTI ENVIRONMENTAL

3 --- Government

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial), to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances.

ASBESTOS AND LEAD INSPECTION AND RISK ASSESSMENTS

Responsible for asbestos inspections and lead inspections and risk assessments on commercial, multi-family, and single-family properties.

Lead Based Paint Inspections and Risk Assessments. Flint Housing Commission

Inspection of lead hazards throughout Flint's public housing complexes, dust wipe sample collection for laboratory analysis, XRF sampling, and writing the report to the Flint Housing Commission with findings and compliance requirements.

Large Apartment Complex in Flint, Michigan

Conducted asbestos inspections of over 100 residential units. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Flint with findings and compliance requirements.

INDOOR AIR QUALITY AND MOLD

Conducted mold assessments and verification sampling on municipal buildings, schools, and private facilities in the State of Michigan. Assessment scopes included mold identification and moisture infiltration, abatement scope design, and post abatement visual inspection and clearance sampling.

Conducted visual and indoor air quality clearance samples for multiple residential homes following ACM removal, prior to demolition, throughout the State of Michigan.

Highrise Apartment Building Detroit, Michigan

Monitored indoor air quality during removal of asbestos containing materials. Provided clearance air sampling upon completion.

Multiple School Buildings Detroit, Michigan

Performed visual inspection, tape lift samples, air sampling, and moisture readings to evaluate potential mold growth. Completed clearance inspection and sampling after remediation and provided the client with a report of methods and findings.

PROPERTY CONDTION ASSESSMENTS

Completed inspections of commercial, industrial, and residential properties in the State of Michigan. Identified physical deficiencies, material defects, and deferred maintenance. Reported findings, including cost estimates for repairs and replacements deemed necessary.

STORM WATER INSPECTIONS

Performed inspections of construction sites to determine compliance with state storm water regulations. Reported deficiencies and recommend remedies.

Large Apartment Complex Howell, Michigan

Conducted weekly inspections during construction to ensure compliance with construction storm water regulations. Provided weekly report with findings, deficiencies, and remedy options to the client and County.

WASTEWATER OPERATIONS

Super Fund Site, St. Joseph, Michigan

Performed monthly maintenance and sampling to insure proper operation and compliance with applicable regulations. Maintained air striper and CatOx system for removal of VOCs from contaminated groundwater.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan

Operated outdoor air monitoring and sampling stations to ensure chemicals of concern and fugitive dust did not leave the property. Performed real time air monitoring during demolition activities.



State of Michigan Department of Labor and Economic Opportunity

Department of Labor and Economic Opportunity Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

C + T TALLET

John F. Schuitema 6790 Hinchey Road Pinckney, MI 48169

Accreditation Number

Expiration Date

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is mit vand if attend.

DOB: 06/17/1981

151348

Appendix B

Results of Asbestos Sample Analysis and Chain of Custody



Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

Material: Brick Mortar Grey Location: North Side Appearance: grey, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO 95657 - 02 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 1BMaterial: Brick Mortar Grey Location: East Side Appearance: grey, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 95657 - 03 Asbestos Present: NO Cellulose - 1% No Asbestos Observed Other - 99% Cust. #: 2A Material: Cream Paint Texture Popcorn Location: Kitchen 2251 Appearance: white, nonfibrous, homogenous Layer: 1 of 1

Lab ID #: 95657 - 01 Cust. #: 1A

Report To:

Mr. David Amir

ASTI Environmental

Brighton, MI 48116

10448 Citation Dr., Suite 100

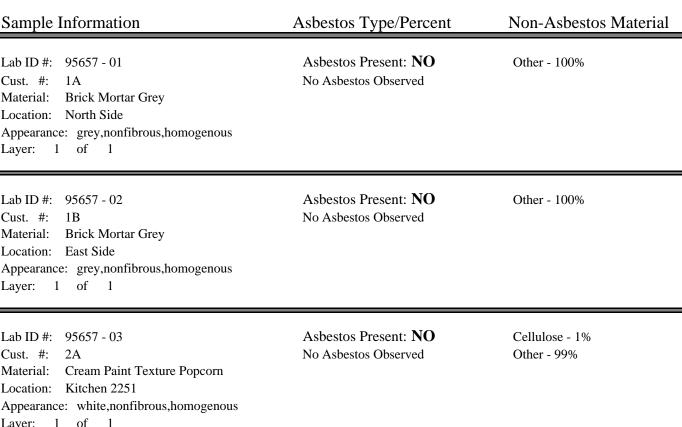
Date Received: 08/13/21 Date Analyzed: 08/16/21 Date Reported: 08/16/21

ARI Report #

Date Collected:

Certificate of Laboratory Analysis Test Method, Polarized Light Microscopy (PLM)

> Project : 2251-2253 Sheridan Project # 2-11759





21-95657R

08/10/21

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

Cust. #: No Asbestos Observed 2BMaterial: Cream Paint Texture Popcorn Location: Dining Room 2251 Appearance: white, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO 95657 - 05 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 3A Material: Cream Roll on Texture Location: Entry 2251 Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 95657 - 06 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 3B Cream Roll on Texture Material: Location: Bedroom 2251 Appearance: white, nonfibrous, homogenous Layer: 1 of 1

Report To: ARI Report # 21-95657R Mr. David Amir Date Collected: 08/10/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Brighton, MI 48116 Date Reported: 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material

Asbestos Present: NO

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759



NVLAP Lab Code 102118-0

Lab ID #:

95657 - 04

Other - 100%

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For Layered Samples, each component will be analyzed and reported separately.

No Asbestos Observed Other - 35% Material: Faux Brick Siding Red Asphalt Location: East Side 2251 Appearance: brown,fibrous,nonhomogenous Layer: of 1 1 Asbestos Present: NO Lab ID #: 95657 - 08 Cellulose - 65% Cust. #: No Asbestos Observed Other - 35% 4BMaterial: Faux Brick Siding Red Asphalt Location: East Side 2253 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1 Lab ID #: 95657 - 09 Asbestos Present: NO Cellulose - 80% Cust. #: No Asbestos Observed Other - 20% 5A Material: Paper Insulation- Grey Location: Beneath Wood Siding 2251 Appearance: grey,fibrous,homogenous Layer: 1 of 1

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Sample Information

ARI Report # 21-95657R Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/16/21 Date Reported: 08/16/21

Cellulose - 65%

Certificate of Laboratory	v Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759

Asbestos Type/Percent

Asbestos Present: NO



NVLAP Lab Code 102118-0

Lab ID #: 95657 - 07

Cust. #: 4A Non-Asbestos Material

Non-Asbestos Material

Lab ID #: 95657 - 10 Asbestos Present: NO Cellulose - 80% Cust. #: No Asbestos Observed Other - 20% 5B Material: Paper Insulation- Grey Location: Beneath Wood Siding 2251 Appearance: grey,fibrous,homogenous Layer: of 1 1 Asbestos Present: NO 95657 - 11 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 6A Cream 4" Cove Base Material: Location: Bathroom 2251 Appearance: beige, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 95657 - 11a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 6A Material: Glue Location: Bathroom 2251 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2

Certificate of Laboratory Analysis

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To: ARI Report # Mr. David Amir Date Collected: ASTI Environmental Date Received: 10448 Citation Dr., Suite 100 Date Analyzed: Date Reported: Brighton, MI 48116 Sample Information Asbestos Type/Percent

Test Method, Polarized Light Microscopy (PLM) Project: 2251-2253 Sheridan Project # 2-11759





21-95657R

08/10/21

08/13/21

08/16/21

08/16/21

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Robert T. Letarte Jr., Laboratory Director

Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95657 - 12 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 6R Material: Cream 4" Cove Base Location: Bathroom 2251 Appearance: beige, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95657 - 12a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 6B Material: Glue Location: Bathroom 2251 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Lab ID #: 95657 - 13 Asbestos Present: NO Cellulose - 1% No Asbestos Observed Other - 99% Cust. #: 7A 12"x12" Tan Floor Tile Material: Location: 2251 Kitchen Appearance: brown,nonfibrous,homogenous Layer: 1 of 2 For Layered Samples, each component will be analyzed and reported separately.

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

ARI Report # 21-95657R Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/16/21 Date Reported: 08/16/21

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759



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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759

Mr. David Amir Date Collected: 08/10/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Brighton, MI 48116 Date Reported: 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95657 - 13a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 7A Material: Glue Location: 2251 Kitchen Appearance: clear, nonfibrous, homogenous Layer: of 2 2 Asbestos Present: NO 95657 - 14 Cellulose - 1% Lab ID #: Cust. #: No Asbestos Observed Other - 99% 7B12"x12" Tan Floor Tile Material: Location: 2251 Kitchen Appearance: brown,nonfibrous,homogenous Layer: 1 of 2 95657 - 14a Lab ID #: Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 7BMaterial: Glue Location: 2251 Kitchen Appearance: clear, nonfibrous, homogenous Layer: 2 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

ARI Report # 21-95657R

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Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

Lab ID #: 95657 - 15 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 8A Material: Cream Ceramic Tile Location: 2251 Bathroom Appearance: beige,nonfibrous,homogenous Layer: of 3 1 Asbestos Present: NO Lab ID #: 95657 - 15a Other - 100% Cust. #: No Asbestos Observed 8A Material: Grout- Grey Location: 2251 Bathroom Appearance: grey, nonfibrous, homogenous Layer: 2 of 3 Lab ID #: 95657 - 15b Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 8A Material: Mortar Location: 2251 Bathroom Appearance: grey, nonfibrous, homogenous Layer: 3 of - 3

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Sample Information

Report To:

Mr. David Amir

 ARI Report #
 21-95657R

 Date Collected:
 08/10/21

 Date Received:
 08/13/21

 Date Analyzed:
 08/16/21

 Date Reported:
 08/16/21

Non-Asbestos Material

Certificate of Laboratory Analysis	
Test Method, Polarized Light Microscopy (PLN	M)

Project : 2251-2253 Sheridan Project # 2-11759

Asbestos Type/Percent





Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Robert T. Letarte Jr., Laboratory Director

Layer: 2 of 3 Lab ID #: 95657 - 16b Asbestos Present: NO Other - 100% No Asbestos Observed 8B Mortar Appearance: grey, nonfibrous, homogenous Layer: 3 of 3

95657 - 16a Lab ID #: Cust. #: 8B Material: Grout- Grey Location: 2251 Bathroom Appearance: grey, nonfibrous, homogenous

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Mr. David Amir

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Asbestos Present: NO No Asbestos Observed

Other - 100%

Date Collected:

Date Received:

10448 Citation Dr., Suite 100 Date Analyzed: Date Reported: Brighton, MI 48116 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95657 - 16 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed **8R** Material: Cream Ceramic Tile Location: 2251 Bathroom Appearance: beige, nonfibrous, homogenous Layer: of 3 1

Cust. #: Material: Location: 2251 Bathroom

For Layered Samples, each component will be analyzed and reported separately.



08/10/21

08/13/21

08/16/21

08/16/21

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Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759



Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

Material: Plaster Finish Coat Location: 2251 Appearance: white, nonfibrous, homogenous Layer: of 1 2 Asbestos Present: NO 95657 - 17a Hair - 2% Lab ID #: Cust. #: No Asbestos Observed Other - 98% 9A Plaster Base Coat Material: Location: 2251 Appearance: grey,fibrous,homogenous Layer: 2 of 2 Lab ID #: 95657 - 18 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 9B Plaster Finish Coat Material: Location: 2251 Appearance: white, nonfibrous, homogenous Layer: 1 of 2

Brighton, MI 48116

10448 Citation Dr., Suite 100

Report To:

Mr. David Amir

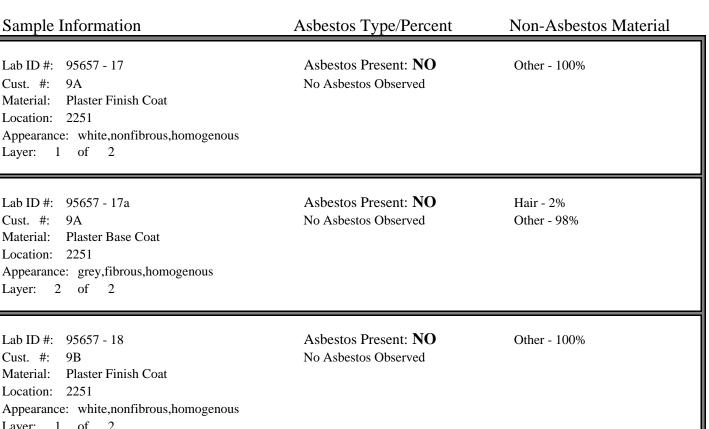
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ARI Report # 21-95657R Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/16/21 Date Reported: 08/16/21

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Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759





Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759

Certificate of Laboratory Analysis

Mr. David Amir Date Collected: 08/10/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Brighton, MI 48116 Date Reported: 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95657 - 18a Asbestos Present: NO Hair - 2% Cust. #: No Asbestos Observed Other - 98% 9R Material: Plaster Base Coat Location: 2251 Appearance: grey,fibrous,homogenous Layer: of 2 2 Asbestos Present: NO 95657 - 19 Other - 100% Lab ID #: Cust. #: 9C No Asbestos Observed Plaster Finish Coat Material: Location: 2251 Appearance: white, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 95657 - 19a Asbestos Present: NO Hair - 2% No Asbestos Observed Other - 98% Cust. #: 9C Material: Plaster Base Coat Location: 2251 Appearance: grey,fibrous,homogenous Layer: 2 of 2

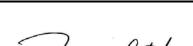
For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

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Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759

Mr. David Amir Date Collected: 08/10/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Brighton, MI 48116 Date Reported: 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95657 - 20 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 9D Material: Plaster Finish Coat Location: 2251 Appearance: white, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95657 - 20a Hair - 2% Lab ID #: Cust. #: No Asbestos Observed Other - 98% 9D Material: Plaster Base Coat Location: 2251 Appearance: grey,fibrous,homogenous Layer: 2 of 2 Lab ID #: 95657 - 21 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 9E Plaster Finish Coat Material: Location: 2253 Appearance: white, nonfibrous, homogenous Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

ARI Report # 21-95657R **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759

Report To: ARI Report # 21-95657R Mr. David Amir Date Collected: 08/10/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Brighton, MI 48116 Date Reported: 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95657 - 21a Asbestos Present: NO Hair - 2% No Asbestos Observed Other - 98%

Asbestos Present: NO

Asbestos Present: NO

No Asbestos Observed

No Asbestos Observed

Cust. #: 9E Material: Plaster Base Coat Location: 2253 Appearance: grey,fibrous,homogenous Layer: of 2 2

95657 - 22 Lab ID #: Cust. #: 9F Material: Plaster Finish Coat Location: 2253 Appearance: white, nonfibrous, homogenous Layer: 1 of 2

Lab ID #: 95657 - 22a 9F Cust. #: Material: Plaster Base Coat Location: 2253 Appearance: grey,fibrous,homogenous Layer: 2 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Other - 100%

Hair - 2%

Other - 98%



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Robert T. Letarte Jr., Laboratory Director

Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95657 - 23 Asbestos Present: NO Other - 100% Cust. #: 9G No Asbestos Observed Material: Plaster Finish Coat Location: 2253 Appearance: white, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95657 - 23a Hair - 2% Lab ID #: Cust. #: No Asbestos Observed Other - 98% 9G Material: Plaster Base Coat Location: 2253 Appearance: grey,fibrous,homogenous of Layer: 2 2 Lab ID #: 95657 - 24 Asbestos Present: NO Cellulose - 20% Cust. #: No Asbestos Observed Other - 80% 10A Material: Drywall White Location: 2251 Attic Appearance: white, fibrous, nonhomogenous Layer: 1 of 1 For Layered Samples, each component will be analyzed and reported separately.

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

ARI Report # 21-95657R Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/16/21 Date Reported: 08/16/21

Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759







For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95657 - 25 Cust. #: 10B Material: Drywall White Location: 2251 Attic Appearance: white,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 95657 - 26 Cust. #: 11A Material: 12"x12" White/Black Squares FT Location: SW Bedroom 2251 Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95657 - 26a Cust. #: 11A Material: Glue Location: SW Bedroom 2251 Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

Report To: Mr. David Amir **ASTI Environmental** 10448 Citation Dr., Suite 100 Brighton, MI 48116

ARI Report # 21-95657R Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/16/21 Date Reported: 08/16/21

Test Method, Polarized Light Microscopy (PLM) Project : 2251-2253 Sheridan Project # 2-11759

Certificate of Laboratory Analysis



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759

Date Reported: Brighton, MI 48116 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95657 - 26b Asbestos Present: YES Other - 98.50% Cust. #: Chrysotile - 1.50% 11A Material: Cream Floor Tile Location: SW Bedroom 2251 Appearance: white, fibrous, homogenous POINT COUNT RESULT Layer: of 3 4 Asbestos Present: NO 95657 - 26c Cellulose - 1% Lab ID #: Cust. #: No Asbestos Observed Other - 99% 11A Material: Mastic Location: SW Bedroom 2251 Appearance: black,nonfibrous,homogenous Layer: 4 of 4 Lab ID #: 95657 - 27 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 11B Material: 12"x12" White/Black Squares FT Location: SW Bedroom 2251 Appearance: beige, nonfibrous, homogenous

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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Layer:

1 of 4



Report To:

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 ARI Report # 21-95657R Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/16/21

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2251-2253 Sheridan Project # 2-11759

Mr. David Amir Date Collected: 08/10/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Brighton, MI 48116 Date Reported: 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95657 - 27a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 11B Material: Glue Location: SW Bedroom 2251 Appearance: clear, nonfibrous, homogenous Layer: of 4 2 95657 - 27b Asbestos Present: Lab ID #: Cust. #: 11**B** Material: Cream Floor Tile NOT ANALYZED Location: SW Bedroom 2251 Appearance: Layer: 3 of 4 Lab ID #: 95657 - 27c Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 11B Material: Mastic Location: SW Bedroom 2251 Appearance: black,nonfibrous,homogenous Layer: 4 of 4

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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21-95657R

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13A Chrysotile - 1.75% 12"x12" Cream/Brown Floor Tile POINT COUNT RESULT of 2

Sample Information

10448 Citation Dr., Suite 100

Report To:

Mr. David Amir

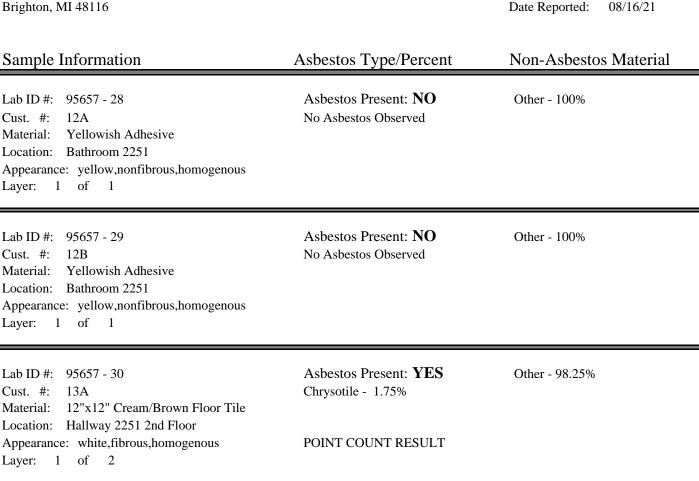
ASTI Environmental

ARI Report # Date Collected: Date Received: Date Analyzed:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759





21-95657R

08/10/21

08/13/21

08/16/21

Robert T. Letarte Jr., Laboratory Director

Test Method, Polarized Light Microscopy (PLM)

Project : 2251-2253 Sheridan Project # 2-11759

Certificate of Laboratory Analysis

Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/10/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95657 - 30a Cust. #: 13A Material: Glue Location: Hallway 2251 2nd Floor Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95657 - 31 Cust. #: 13B Material: 12"x12" Cream/Brown Floor Tile Location: Hallway 2251 2nd Floor Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 95657 - 31a Cust. #: 13B Material: Glue Location: Hallway 2251 2nd Floor Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Report To:

NVLAP Lab Code 102118-0





ARI Report # 21-95657R

Test Method, Polarized Light Microscopy (PLM)

Project # 2-11759

Certificate of Laboratory Analysis

Project: 2251-2253 Sheridan

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #21-95657RDate Collected:08/10/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95657 - 32 Cust. #: 14A Material: Off White Window Glaze Location: Window Over Stairs 2251 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95657 - 33 Cust. #: 14B Material: Off White Window Glaze Location: Middle Bedroom 2251 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95657 - 34 Cust. #: 15A Material: Black Flashing Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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For Layered Samples, each component will be analyzed and reported separately.

Cust. #: No Asbestos Observed Other - 70% 15A Material: Reddish Roof Shingle Location: Roof Appearance: black,fibrous,nonhomogenous Layer: of 2 2 Asbestos Present: NO Lab ID #: 95657 - 35 Cellulose - 10% Cust. #: No Asbestos Observed Other - 90% 15B Material: Black Flashing Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 2 Lab ID #: 95657 - 35a Asbestos Present: NO Fiberglass - 30% No Asbestos Observed Other - 70% Cust. #: 15B Material: Reddish Roof Shingle Location: Roof Appearance: black,fibrous,nonhomogenous Layer: 2 of 2

10448 Citation Dr., Suite 100 Brighton, MI 48116

Report To:

Mr. David Amir

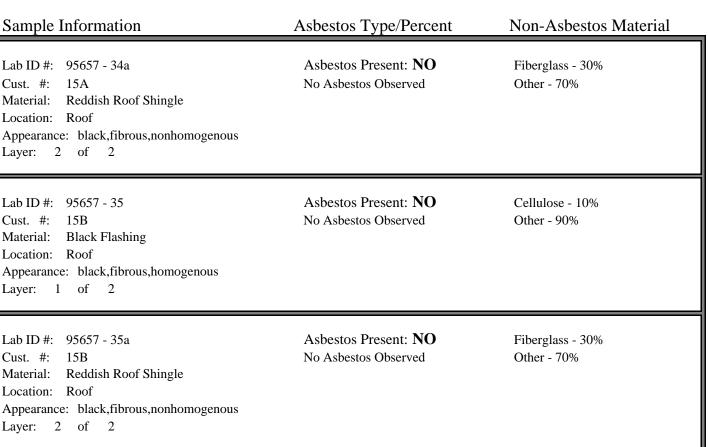
ASTI Environmental

ARI Report # 21-95657R Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/16/21 Date Reported: 08/16/21

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Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759







Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Layer: of 1 1 Asbestos Present: NO Cellulose - 70% Lab ID #: 95657 - 37 Cust. #: No Asbestos Observed Other - 30% 16B Material: **Brown Paper Insulation** Location: Basement 2253 Appearance: brown,fibrous,homogenous Layer: 1 of 1 Lab ID #: 95657 - 38 Asbestos Present: NO Cellulose - 80% No Asbestos Observed Other - 20% Cust. #: 17A Material: Pipe Insulation Location: Basement 2253 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1

Lab ID #: 95657 - 36 Cust. #: 16A Material: **Brown Paper Insulation** Location: Basement 2253

Report To:

Mr. David Amir

ASTI Environmental

Brighton, MI 48116

10448 Citation Dr., Suite 100

Sample Information

Asbestos Present: NO No Asbestos Observed

Asbestos Type/Percent

Cellulose - 70% Other - 30%

ARI Report #

Date Collected:

Date Received:

Date Analyzed:

Date Reported:

Non-Asbestos Material

Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759

Certificate of Laboratory Analysis

Appearance: brown,fibrous,homogenous

For Layered Samples, each component will be analyzed and reported separately.







21-95657R

08/10/21

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08/16/21

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NVLAP Lab Code 102118-0

Report To:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2251-2253 Sheridan Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/10/21Date Received:08/13/21Date Analyzed:08/16/21Date Reported:08/16/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95657 - 39 Cust. #: 17B Material: Pipe Insulation Location: Basement 2253 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 95657 - 40 Cust. #: 17C Material: Pipe Insulation Location: Basement 2253 Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 95657 - 41 Cust. #: 18A Material: Pipe Joint Insulation Location: Basement 2253 Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 30%	Other - 70%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project : 2251-2253 Sheridan Project # 2-11759

Asbestos Type/Percent

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Sample Information

Lab ID #: 95657 - 42 Asbestos Present: Cust. #: 18**B** Material: **Pipe Joint Insulation** Basement 2253 NOT ANALYZED Location: Appearance: Layer: of 95657 - 43 Asbestos Present: Lab ID #: Cust. #: 18C Material: Pipe Joint Insulation NOT ANALYZED Location: Basement 2253 Appearance: Layer: of Lab ID #: 95657 - 44 Asbestos Present: NO Cellulose - 1% No Asbestos Observed Other - 99% Cust. #: 19A 12"x12" Grey w/ Cream Faux Stone FT Material: Location: Kitchen 2253 Appearance: grey, nonfibrous, homogenous Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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21-95657R

08/10/21

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08/16/21

ARI Report #

Date Collected:

Date Received:

Date Analyzed:

Date Reported:

Non-Asbestos Material

Robert T. Letarte Jr., Laboratory Director

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For Layered Samples, each component will be analyzed and reported separately.

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Report To:

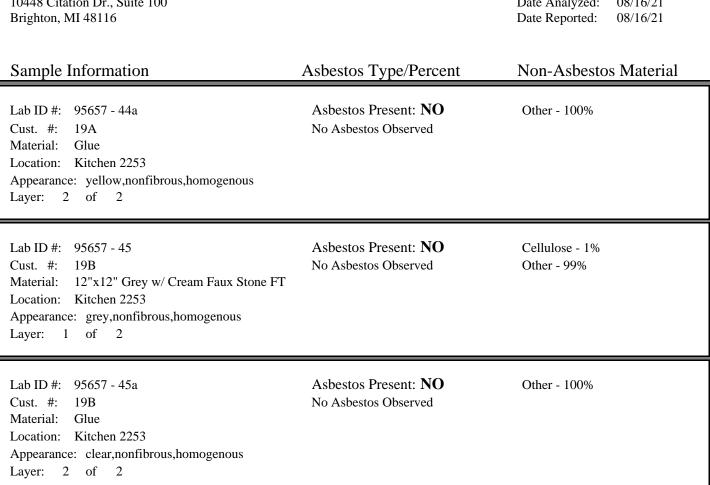
Mr. David Amir

ARI Report # 21-95657R Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/16/21 08/16/21

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Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759





Page 25 of 26

Report To: ARI Report # 21-95657R Mr. David Amir Date Collected: 08/10/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Date Reported: Brighton, MI 48116 08/16/21 Asbestos Type/Percent Non-Asbestos Material

Sample Information Lab ID #: 95657 - 46 Asbestos Present: YES Other - 95% Cust. #: Chrysotile - 5% 20A Material: 12"x12" White Floor Tile Location: NW Bedroom 2253 Appearance: white, fibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95657 - 46a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 20A Material: Glue Location: NW Bedroom 2253 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 95657 - 47 Lab ID #: Asbestos Present: Cust. #: 20B 12"x12" White Floor Tile Material: Location: NW Bedroom 2253 NOT ANALYZED Appearance: Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

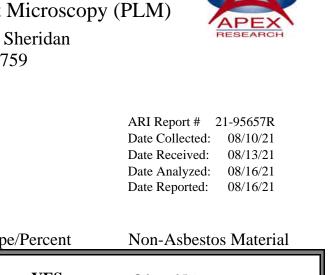
Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: 2251-2253 Sheridan Project # 2-11759





Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2251-2253 Sheridan Project # 2-11759

Mr. David Amir Date Collected: 08/10/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/16/21 Brighton, MI 48116 Date Reported: 08/16/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95657 - 47a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 20B Material: Glue Location: NW Bedroom 2253 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Asbestos Present: NO Lab ID #: 95657 - 48 Cellulose - 1% Cust. #: 2CNo Asbestos Observed Other - 99% Material: Cream Paint Texture Popcorn Location: 2251 Appearance: white, nonfibrous, homogenous Layer: 1 of 1 95657 - 49 Lab ID #: Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 3C Cream Rolled Texture Paint Material: Location: 2251 Appearance: white, nonfibrous, homogenous Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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21-95657R

ARI Report #

Page 26 of 26

Report To:

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			Date of Survey:	\$,10.202	2		Lab Use Only
Customer Na	Customer Name: ASTI Environmental	nmental	Project: 2251-7	1253 St	Sheridan		Log-In:
Address: 1044	Address: 10448 Citation Drive						Report
City, St., Zip:	Brighton, Michigan 48116	n 48116	erson:	ıvid Amir / Jill		Jschuitema	Fax:
Phone: 810.2	810.225.2800	Fax: 810.225.3800	Email: damir@asti-env.com / jtinsley@asti-env.com	nv.com / jtins	- L I		Verbal:
Turn Around Ti	Turn Around Time: (Circle One) and conditions on the other side	is and conditions on the other side.	Circle analyses required, ind	ed, indicate ty	Icate type and quantity		Email:
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48 hour	12 hour	Lead / Cad / Chrome:	Wipe ASTM E1792? dirde YES or NO_	Sor NO Air		Paint	Bulk
Other:	TTP Jes / no	no Moid:	Bulk Air/Ze	Air/Zefon/AlergencoD		BioSIS	Tape
Samples received after 3pm logged in next morning	3pm (Test Till Positive)	TEM:	Bulk/NOB 1	NIOSH 7402	EPA Level II		Other
Lab ID	Customer ID #	Material/Location	ocation	Volume	Area	Results	lts
	. 1A	Brick mortar Gray	1 North side				
	લા	£-			•		
	ZA	Crean paint texture popeon	1 Kitchen	2251			
	ZB	1 Diningroom					
	34	crean roll on texture /	Entry 2251				
	38	+ 1 Bedroom 225	1 2251				
	AL	faux brick siding Red Honnett	East	side 2251			
	ЧВ	-	ph.				
	5A	phase insulation-gray	1 Beneath wood	5. dina 225	5		
	SB	4-,			•		
	6A	Cream 4" Bath room.	10m, 2251				
	E d	f J REC	LIVED				
qui	Jun Mary	y:	G 1 3 2021 Relinquished By:		Received By:	ed By:	
Date: <u>S. 11, 707</u> Revision RS Date: Nov/2017	20	Time/Date: APEX	APEX RESEARCARE		_ Time/Date:)ate:	

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	N	APEX Research, Inc.	-		Ø
	11054 Hi Tec	11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexML.com	1x (734) 449 - 99	91 www.ApexMJ	.com
		1	8.10.202	21	Lab Use Only
Customer Na	Customer Name: ASTI Environmental		ŵ	Sheridan	
Address: 1044	Address: 10448 Citation Drive	Project #			
City, St., Zip:	City, St., Zip: Brighton, Michigan 48116)avid Amir / J	ز//ill Tinsley	shn Schuitena Fax
Phone: 810.225.2800	25.2800	310.225.3800	-env.com / jti	nsley@asti-e	nv.com Verbal:
Turn Around Ti	Turn Around Time: (Circle One) Terms and conditions on the other side	•	ired, indicate	type and qua	
Rush	24 hour	Asbestos: Bulk 🗶 Wipe		Point Count	PCM
48 hour	72 hour	Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO_		Air	Paint Bulk
Other:	TTP (yes/ no	Mold: Bulk	Air/Zefon/AlergencoD	Ð	BioSIS Tape
Samples received after 3pm logged in next morning	3pm (Test Till Positive)	78) TEM: Bulk/NOB	NIOSH 7402_	EPA Level II	vel II Other
Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	H.C.	12"XD" Tan Floor tile / 2251 ki	Kitchen		
	8 4	4			
	48	Ceramic title + Grant-gray / 2251 Bath	LOOM		
	4 B	\$ -			
	9 4	Alaster white over arey 1 2251			
	qb	122S1 3			
	- ac	12251	-		
	qd	12251			
	qe	12253			
	9F	1 2.253			
	<i>द</i> ि	12253			
	104	Dryworll, white / 2251 Attic			
Relinquished By: 🕰	An Jeridey	D	y:	Rece	Received By:
Date: 9. 11. 2007	0 120	AUG 1 3 2021		Time	Time/Date:
Kevision Ru Dare, Inver	2017	APEX RESEARCH			
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Apex #

	11054 Hi Ted	11054 Hi Tech Drive, Whitmore Lake, MI 48189. F			
		ı	Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	34) 449 - 9991 www.ApexMI.coi	n APEX
			Date of Survey: \$, 10	10.2021	Lab Use Only
Customer Na	Customer Name: ASTI Environmental	Imental	2	103	Log-In:
Address: 1044	Address: 10448 Citation Drive		#		Report
City, St., Zip:	City, St., Zip: Brighton, Michigan 48116	148116	Contact Person: David Amir / Jill Tinsley /	ל Amir / Jill Tinsley / א	J Schuitman Fax:
Phone: 810.2	810.225.2800	Fax: 810.225.3800	Email: damir@asti-env.cor	n / jtinsley@asti	
Turn Around Ti	Turn Around Time: (circle One) Terms and conditions on the other side.	and conditions on the other side.	Circle analyses required, ind	indicate type and quantity	-
Rush	24 hour	Asbestos:	Bulk 🖌 Wipe	Point Count	PCM
48 hour	72 hour	Lead / Cad / Chrome:	Wipe ASTM E1792? circle YES or NO_	NO Air Paint	int Bulk
Other:	TTP (yes)	no Mold:	Bulk Air/Zefon	Air/Zefon/AlergencoD Bi	BioSIS Tape
Samples received after 3pm logged in next morning	3pm (Test Till Positive) 5	•e) TEM:	Bulk/NOB NIOSH	SH 7402 EPA Level II	
Lab ID	Customer ID #	Material/Location		Volume Area	Results
	10 B	Drymall white 1Attic	2253		
	ILA	12"X12" white Black s	whitet black savares over cream 1/5	SW Redroom 2251	
	BII				
	12A	Vellowish Adhesive (Bathroom 2251		
	128				
	134	12"X12" Cream + Brown /	HAILWAY 2251.	Ind floor	
	138	-			
	A41	Off-white window glaze	/window over	stairs 2251	
	IHB	* / middle bedroom	2251		
	15A		h coof shindle / Rodf		
	15B				
	16A	Brown paper insubilition	insulation (Basisment 225 B		
Relinquished By:		Received By:	WADEX RESEAR (Relinquished By:	Received By:	lBy:
Date: <u>S.11</u> , Revision R5 Date: Nov/2017	C	Time/Date:	Date:	Time/Date:	te:

Арөх #

	Received By:	y:	RESEARCH Relinquished By:	APEX RES	Received By: Time/Date:	Relinquished By: <u>F-Unoluy</u> Date: <u>8.41.7021</u> Revision BS Date: NOV/2017	Relinquished By: Date: <u>8.11.</u> Revision RS Date: Nov/2017
			3 2021	AUG 13			
			100 E.S.	2		JOB	
		4	then NW Redrobm	unitur floor it	12"×12" white	704	
				c		19B	
	2253	Kitchen	Paux stone /	Floor to Star with Crossm		194	
				4		180	
						BSI	
		\$253	ion Base ment 2253	joint insulation	Pipe	ASI	
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						<u>8</u> ±1	
			Basement 2253	Pipe insulation / E		HEI	
		2253	wn Basement	insulation Brown	Paper	168	
Results	Area	Volume	ocation	Material/Location		Customer ID #	Lab ID
Other	2 EPA Level II	NIOSH 7402	Bulk/NOB	TEM:			logged in next morning
5 Tape	ncoD BioSIS	Air/Zefon/AlergencoD	Bulk Air/	Mold:	m Positive)	(Test)	Samples received after 3pm
Bulk	Air Paint _	YES or NO	Wipe ASTM E1792? circle YES or NO_	Lead / Cad / Chrome:		72 hour	48 nour
PCM	Point Count		Bulk 🔆 Wipe	Asbestos:	•	24 hour	KUSD
sti-envi Email:	Circle analyses required, indicate type and quantity	iired, indica	Circle analyses requ	the other side.	ms and conditions on	I dITI ATOUND IIME: (CI/CIP ONE) Terms and conditions on the other side	i urn Around
m Verbal:	/ jtinsley@asti-env.com	i-env.com /	Email: damir@asti-env.com	810.225.3800	- Fax: 810	225.2800	Phone: 810.225.2800
1	ir/Jill Tinsley/John Schuitere	David Amir	Contact Person: David Am		an 48116	City, St., Zip: Brighton, Michigan 48116	City, St., Zi
Report:			Project # <u>2-11759</u>			Address: 10448 Citation Drive	Address: 10
Log-In:	Shenidan	5223	Project: 2251-		onmental	Customer Name: ASTI Environmental	Customer
Lab Use Only	10,2021	8.10	Date of Survey:)
APEX	9991 www.ApexML.com	Fax (734) 449 -	Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexML.com	11054 Hi Tech Drive, Whitmore Lake, MI 48189.	ech Drive, Whit	11054 Hi T	
			APEX Research, Inc.	APEX		4	
						rage ア	05657

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Date: 8.13.2021 Revision R5 Date: Nov/2017		Relinquished Ry-								Lab ID	Samples received after 3pm logged in next morning	Other:	48 hour	Rush	Turn Around T	Phone: 810.225.2800	City, St., Zip:	Address: 104	Customer N				
2017		J. Tinsley						3C	2C	Customer ID #	3pm (Test Till Positive)	TTP yes	72 hour	24 hour	ime: (circle one)	25.2800	City, St., Zip: Brighton, Michigan 48116	Address: 10448 Citation Drive	Customer Name: ASTI Environmental		11054 Hi Te	U	Page
Time/Date:		Received By:						Cream rolled textured paint / 2251	Cream paint texture popcorn / 2251	Material/Location	ive) TEM:	no Mold:	Lead / Cad / Chrome:	Asbestos:	Turn Around Time: (Circle One) *** Terms and conditions on the other side.	Fax: 810.225.3800	in 48116		nmental		11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax	APEX	
Date:		Relinguished By:						nt / 2251	orn / 2251	ocation	Bulk/NOB	Bulk Air/Z	Wipe ASTM E1792? circle YES or NO	Bulk X Wipe	analyses required, indicate type and quantity	Email: <u>damir@asti-e</u>	Contact Person: Da	Project # 2-11759	Project: 2251-2253 S	Date of Survey: 8.10	Phone: (734) 449 - 9990, Fa	Research, Inc.	
										Volume	NIOSH 7402	Air/Zefon/AlergencoD			dicate type an	env.com / jtin			Sheridan	10.2021	x (734) 449 - 999		
- Time/Date:	 	Receiv								Area	EPA Level II		Air]	Point Count	d quantity	nv.com / jtinsley@asti-env@inche	I Tinsley /Jo				(734) 449 - 9991 www.ApexMI.com		
Date:		Received By:								Results	el II Other	BioSIS Tape	Paint Bulk	PCM	Email:	Verbal:	vid Amir / Jill Tinsley / John Schuitema Fax:	Report:	Log-In:	Lab Use Only	COM (APEX)	B	

Apex #

Appendix C

Photos



PHOTO LOG 2251 & 2253 Sheridan Street, Detroit, Michigan

Photo 1. View of 2251-2253 Sheridan Street front
Photo 2. View of 2251-2253 Sheridan Street south side
Photo 3. View of 2251-2253 Sheridan Street north side

ASTI Project No. 2-11759 August 10, 2021 Photographed By Jelaine Tinsley



PHOTO LOG 2251 & 2253 Sheridan Street, Detroit, Michigan

Photo 4. View of black and white 12" x12" floor tile with asbestos- containing Cream floor tile beneath in the southwest bedroom of 2251 Sheridan
Photo 5. View of asbestos- containing Cream/Brown floor tile in the hallway of 2251 Sheridan, 2 nd floor
Photo 6. View of asbestos- containing pipe joint insulation

ASTI Project No. 2-11759 August 10, 2021 Photographed By Jelaine Tinsley



PHOTO LOG 2251 & 2253 Sheridan Street, Detroit, Michigan



Photo 7. View of asbestoscontaining 12" x12" White floor tile in the northwest bedroom of 2253 Sheridan



ASTI ENVIRONMENTAL

Environmental Investigation, Remediation, Compliance and Restoration Projects Throughout The Great Lakes Since 1985.

OUR SERVICES INCLUDE:

- ASBESTOS, LEAD, MOLD, AND RADON ASSESSMENTS
- BROWNFIELD/GREYFIELD REDEVELOPMENT ASSISTANCE
- DEVELOPMENT INCENTIVES AND GRANT MANAGEMENT
- ECOLOGICAL ASSESSMENTS AND RESTORATION
- ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS
- ENVIRONMENTAL OPPORTUNITIES ASSESSMENT
- GIS MAPPING
- HAZARD MITIGATION PLANNING
- MINING AND RECLAMATION ASSISTANCE
- REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE
- PHASE I ESA AND ENVIRONMENTAL DUE DILIGENCE ASSESSMENTS
- REGULATORY COMPLIANCE AND PERMITTING
- SOIL AND GROUNDWATER ASSESSMENTS
- SOIL AND GROUNDWATER REMEDIATION
- STORAGE TANK COMPLIANCE AND CLOSURE
- THREATENED AND ENDANGERED SPECIES SURVEYS
- WATERSHED AND STORMWATER MANAGEMENT PROGRAMS
- WETLAND DELINEATION, PERMITTING, MITIGATION AND BANKING

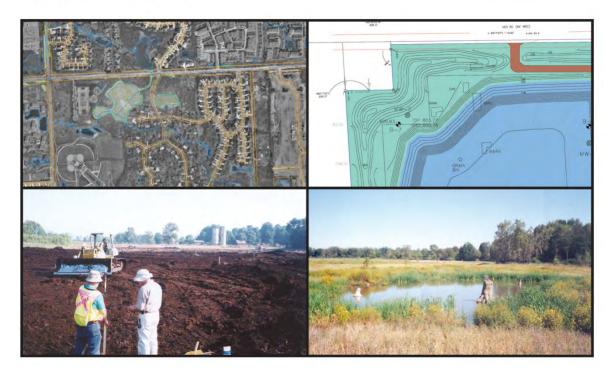


Asbestos-Containing Materials Inspection 2544-2548 Van Dyke Street Detroit, Michigan

Develop Detroit Inc.

October 7, 2021

ASTI ENVIRONMENTAL





Asbestos-Containing Materials Inspection 2544 – 2548 Van Dyke Street Detroit, Michigan 48214

October 7, 2021

Report Prepared For:

Develop Detroit Inc. 1452 Randolph Street Suite 300 Detroit, Michigan 48226

Report Prepared By:

ASTI Environmental 10448 Citation Drive, Suite 100 Brighton, Michigan 48116 1-800-395-ASTI

ASTI Project No. 2-11759

Report Prepared by:

Jelaine D. Tinsley, EP () Asbestos Inspector (A16395)

Report Reviewed by:

David A. Amir, EP Director-Site Redevelopment Services



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1 Asbestos Sample Results

Appendices

- A Resume and Accreditations of Ms. Jelaine Tinsley and John Schuitema
- B Results of Asbestos Sample Analysis and Chain of Custody
- C Photos



i

Executive Summary

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining materials (ACM) inspection of a two-family flat residence located at 2544 - 48 Van Dyke Street, Detroit, Michigan (Subject Property). ASTI's scope of work included sampling of suspect ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M.

The structure inspected consists of a two-story, two-family flat, 2,266 square feet, of wood frame construction with a gabled asphalt shingle roof and a basement. Based on the inspection completed at the Subject Property by ASTI on August 10, 2021, none of the materials sampled were identified as containing asbestos.

Debris piles were observed throughout building, ASTI was unable to thoroughly inspect the debris piles. As a result, there may be unidentified ACMs in the interior of the piles. The stairways were blocked by debris, therefore the basement and second floor were not inspected.



1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection at 2544 – 2548 Van Dyke Street, Detroit, Michigan (Subject Property). Refer to the attached Site Location Map for the approximate location of the Subject Property. The information and opinions rendered in this report are prepared for the benefit of Develop Detroit, Inc.; ASTI acknowledges that said party may rely upon the contents and conclusions presented in this report. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied are made.



2.0 LIMITATION AND EXCEPTIONS

ASTI's scope of work included sampling of suspect homogeneous ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M and ASTM E2356-10 Standard Practice for Comprehensive Building Asbestos Surveys. Suspect materials not identified within this report may be encountered in inaccessible wall cavities, chases, floor cavities, etc. during demolition activities. These materials must be presumed to be ACM until they can be sampled and analyzed for asbestos content.

- Debris piles were observed throughout building, ASTI was unable to thoroughly inspect the debris piles. As a result, there may be unidentified ACMs in the interior of the piles.
- The stairways were blocked by debris therefore the basement and second floor were not inspected.



3.0 SUBJECT PROPERTY DESCRIPTION

The Subject Property consists of a two-story, two-family flat, 2,266 square feet, of wood frame construction with a gabled asphalt-shingled roof and a basement. Interior finish materials were plaster, wallpaper, carpet, vinyl floor tile, wood trim, and wood windows.



4.0 ASBESTOS-CONTAINING MATERIALS INSPECTION

Ms. Jelaine Tinsley (Asbestos Inspector No. A16395) and Mr. John Schuitema (Asbestos Inspector No. A51781) of ASTI's Site Redevelopment Services Group conducted the ACM inspection of the Subject Property located at 2544 – 2548 Van Dyke Street, Detroit, Michigan on August 10, 2021. Copies of Ms. Tinsley's and Mr. Schuitema's resumes and asbestos accreditations are provided in Appendix A.

4.1 Previous Asbestos-Containing Materials Inspections

ASTI is not aware of any previous ACM inspections of the Subject Property.

4.2 Asbestos Inspection Methodology

ASTI's scope of work included sampling of suspect ACMs in accordance with the AHERA and NESHAP protocols. The inspection included a visual inspection of the building in order to identify homogeneous areas of suspect surfacing materials, thermal system insulation, and miscellaneous materials, as well as the sampling of suspect friable and non-friable materials. The following definitions from 40 CFR Part 763 are provided below.

<u>Asbestos-Containing Material (ACM):</u> any material or product which contains more than one percent asbestos.

<u>Surfacing Materials (SM)</u>: material that is troweled-on, sprayed-on or otherwise applied to surfaces for acoustical, fireproofing or other purposes.

<u>Thermal System Insulation (TSI)</u>: material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior components to prevent heat loss or gain, or water condensation or for other purposes.

<u>Miscellaneous Materials (MM):</u> interior building material on structural components, structural members or fixtures such as floors and ceilings and does not include surfacing material or thermal system insulation.

<u>Friable:</u> material that when dry, may be crumbled pulverized or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized or reduced to powder by hand pressure.



<u>Non-friable:</u> material which when dry may not be crumbled, pulverized or reduced to powder by hand pressure.

<u>Homogeneous areas (HAs)</u>: an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture.

4.3 <u>Sample Collection</u>

Samples were collected by physically removing a small piece of suspect material and placing it in a marked plastic bag. Samples were collected using wet methods, as appropriate. The sample collection tool was cleaned prior to each use to avoid cross-contamination of samples. ASTI sampled a variety of materials for asbestos testing. The material types sampled are listed below.

- Faux brick asphalt siding
- Window glaze
- 12" x 12" Floor tile and associated mastic
- Plaster
- Roof Shingle

ASTI collected 17 bulk samples from the suspect ACMs. A total of 28 sample layers were analyzed. The bulk samples were transmitted under chain-of-custody protocol to Apex Research Laboratory in Whitmore Lake, Michigan for asbestos analysis using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the US Environmental Protection Agency's (US EPA's) "Interim Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116, June 1993). Sample results are presented in the attached Table 1.



5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the inspection completed at the Subject Property by ASTI on August 10, 2021, none of the materials sampled were identified as ACM.

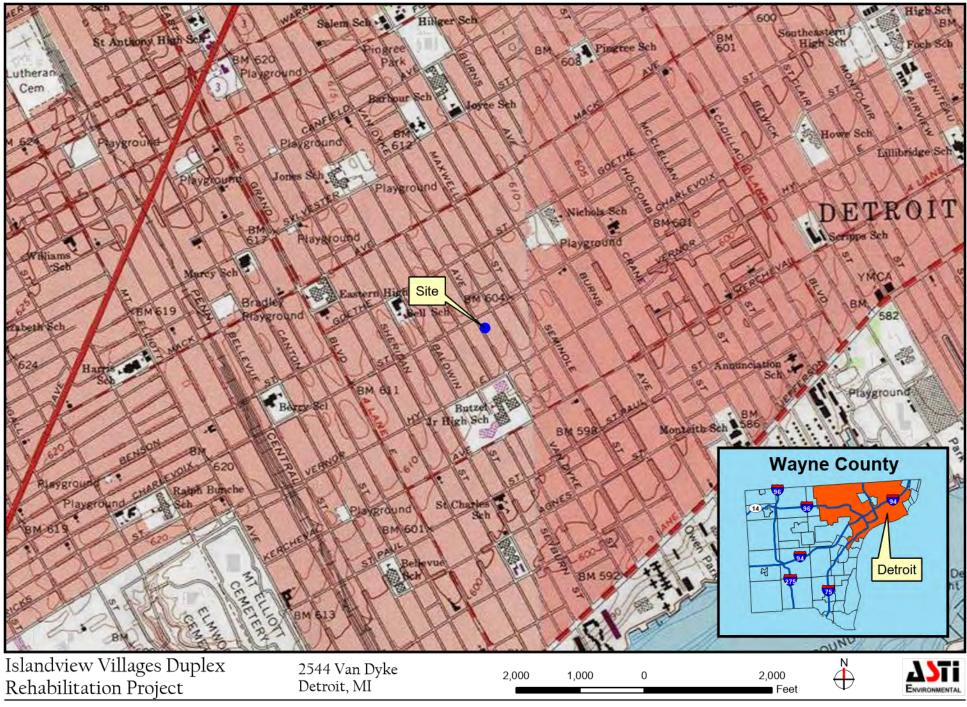
Debris piles were observed throughout the building, ASTI was unable to thoroughly inspect the debris piles. As a result, there may be unidentified ACMs in the interior of the piles. The stairways were blocked by debris therefore the basement and second floor were not inspected.



Figures

Site Location Map





Tables

1 Asbestos Sample Results



Table Asbestos Sample Results Islandview Village 2544 - 2548 Van Dyke Detroit, Michigan ASTI Project No: 2-11759

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
1A	Faux Brick Asphalt Siding - Red/Yellow	North Side	NAD
1B	Faux Brick Asphalt Siding - Red/Yellow	South Side	NAD
2A	Window Glaze - Off White	South Window	NAD
2B	Window Glaze - Off White	East Side	NAD
3A	12"x12" Floor Tile - Cream/Tan	Bath-2548 Van Dyke	NAD
34	Glue	Baui-2546 Vali Dyke	NAD
3B	12"x12" Floor Tile - Cream/Tan	Bath-2548 Van Dyke	NAD
30	Glue	Baun-2546 Van Dyke	NAD
4A	12"x12" Floor Tile - Cream/Tan	Kitchen-2548 Van Dyke	NAD
4A	Glue	Kitchen-2548 Van Dyke	NAD
4B	12"x12" Floor Tile - Cream/Tan	Kitchen-2548 Van Dyke	NAD
40	Glue	Kitchen-2548 Van Dyke	NAD
5A	Plaster Finish Coat	2548 Van Dyke	NAD
54	Plaster Base Coat	2546 Vall Dyke	NAD
5B	Plaster Finish Coat	2548 Van Dyke	NAD
56	Plaster Base Coat	2546 Vall Dyke	NAD
5C	Plaster Finish Coat	2548 Van Dyke	NAD
50	Plaster Base Coat	2546 Vall Dyke	NAD
5D	Plaster Finish Coat	2548 Van Duka	NAD
50	Plaster Base Coat	2548 Van Dyke	NAD
5E	Plaster Finish Coat	2544 Van Duka	NAD
5E	Plaster Base Coat	2544 Van Dyke	NAD
5F	Plaster Finish Coat	2544 Van Dyke	NAD
55	Plaster Base Coat	2544 Vall Dyke	NAD
5G	Plaster Finish Coat	2544 Van Dyka	NAD
50	Plaster Base Coat	2544 Van Dyke	NAD
6A	Asphalt Roof Shingle - Black	Roof	NAD
6B	Asphalt Roof Shingle - Black	Roof	NAD

Appendix A

Resume and Accreditation of Ms Jelaine Tinsley and Mr. John Schuitema







JELAINE D. TINSLEY Environmental Professional

PROFILE

Certifications/Licenses NIOSH 582-Equivalent Course Sampling and Analysis of Airborne Asbestos Fibers OSHA 29 CFR 1910.120 HAZWOPER 40-Hour and 8-Hour Refresher (2020) Asbestos Inspector-Michigan (License No. A16395) Asbestos Inspector-Indiana (License No. 100-19756) Asbestos Inspector-Indiana (License No. 19A007625) Asbestos Hazard Evaluation Specialist-Ohio (License No.ES36108) Asbestos Inspector / Management Planner-Kentucky (License No. 66369) Asbestos Project Designer-Michigan (License No. A16395) Certified Confined Space Entrant and Attendant American Red Cross First Aide and Adult CPR Certified ASTM Certification in RBCA Applied at Petroleum Release Sites Bituminous Testing Technician Michigan Provisional Teaching Certificate

Education Western Michigan University, B.S., Earth Science and Education

Experience History Environmental Professional, ASTI ENVIRONMENTAL Project Manager, Yeoman Group Project Manager, A&F Environmental Environmental Consultant, DLZ Corporation Environmental Consultant, AKT Peerless Geologist, ATC Associates Geologist, NUS Corporation Teacher, Detroit Public Schools Staff Scientist, CTI and Associates, Inc.

<u>Professional Memberships and Service</u> Michigan Association of Environmental Professionals (MAEP) Commercial Real Estate Women Detroit (CREW)

Professional Background

Ms. Tinsley has more than 30 years experience in the environmental industry in a variety of areas including Phase I environmental site assessments (ESAs), Phase II ESAs, baseline environmental assessments (BEAs), subsurface investigations (soil and groundwater testing), soil and groundwater evaluations, asbestos and mold inspections, abatement oversight, and specification development. Ms. Tinsley has also coordinated numerous hazardous material and pre-demolition surveys which included evaluations of asbestos, mold, radon and universal wastes for municipal, commercial, and industrial facilities.

Years Experience:

6 --- ASTI ENVIRONMENTAL 25 --- other firms

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial) to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances. Responsibilities included the preparation and/or review of ASTM Phase I and Phase ESAs, Baseline Environmental Ш Assessments (BEAs), and Due Care Plans. Ms. Tinsley has experience working in Michigan, Illinois, Indiana, Ohio, Kentucky, Tennessee, Georgia, Alabama, Mississippi, and Florida. Ms. Tinsley also has performed listing site evaluations for a dedicated contactor to the US EPA. Ms. Tinsley is also knowledgeable with All Appropriate Inquiries (AAI) per 40 CFR Part 312 and meets the requirements of an Environmental Professional per AAI.

Customer Training

Provided training for financial institutions on the types of properties that should have environmental evaluations.

Vapor Intrusion Evaluation, Jackson, Michigan

Conducted vapor intrusion studies at commercial properties to assess potential vapor migration. Scope of work included coordination of vapor intrusion points, vapor sample collection, and coordination of chemical testing.

CONSTRUCTION TESTING

Conducted construction material analysis which included soil proctors, soil sieve analysis, asphalt extractions, and concrete stress testing.

ASBESTOS INSPECTIONS AND ABATEMENT COORDINATION/OVERSIGHT

Responsible for asbestos program management including coordination and technical lead for hazardous material surveys and asbestos and mold related testing activities.

Asbestos Inspections, City of Detroit Neighborhood Redevelopment Project

Inspector of asbestos hazards at over 300 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Detroit with findings and compliance requirements.

Asbestos Inspections, City of Inkster Neighborhood Redevelopment Project

Conducted asbestos inspections at over 100 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Inkster with findings and compliance requirements.

Large Hotel Detroit, Michigan

Inspected the hotel property as part of a team. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings. Performed oversight of ACM abatement.

Medical Complex Kalamazoo, Michigan

Responsible for coordination of field activities for the ACM abatement of the complex. Conducted schedule and strategy meetings.

Hotel, Detroit, Michigan

Inspected the hotel property. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings.

Former Coal Power Plant

Conducted a thorough asbestos inspection of an inactive multi-building coal power plant in Detroit, Michigan. Collected samples, and performed thorough photo documentation and quantification of all ACMs in the power plant and supporting buildings.

UNDERGROUND STORAGE TANKS AND PETROLEUM REMEDIATION PROJECT

Commercial Development Royal Oak, Michigan

Coordinated the remediation of a former gasoline service station, during site development for a commercial company. Work included Phase I ESA and Phase II site investigation to evaluate USTs and hoists onsite, as well as coordinating a GPR survey for additional USTs on site, a BEA, and a Due Care Plan. Assisted with the development bid specifications for site remediation activities including UST and hoist removal, soil remediation, and asbestos abatement. Coordinated the removal of five (5) USTs, one in-ground hoist, and 300,000 cubic yards of petroleum-impacted soils.









JOHN F. SCHUITEMA Environmental Field Technician

PROFILE

<u>Certifications</u> Asbestos Inspector (A51781) Michigan Lead Inspector/Risk Assessor (P-07409) ICC Property Maintenance Inspector ICC Zoning Inspector 40-Hour OSHA HAZWOPER Training 8-Hour OSHA HAZWOPER Refresher

Education

Lead Inspector/Risk Assessor Training Asbestos Awareness Training Lead Awareness Training Asbestos Inspector Training

Experience History Field Technician, ASTI Environmental Government

Professional Background

Mr. Schuitema has experience in the field with soil sampling, lead dust sampling, asbestos surveys, air monitoring, hazardous materials surveys, and lead inspections. Mr. Schuitema has assisted with Phase II investigations, property condition assessments, mold sampling, indoor air quality assessments, moisture operation and maintenance plans, and performed health and safety related building inspections.

Years' Experience:

3 --- ASTI ENVIRONMENTAL

3 --- Government

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial), to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances.

ASBESTOS AND LEAD INSPECTION AND RISK ASSESSMENTS

Responsible for asbestos inspections and lead inspections and risk assessments on commercial, multi-family, and single-family properties.

Lead Based Paint Inspections and Risk Assessments. Flint Housing Commission

Inspection of lead hazards throughout Flint's public housing complexes, dust wipe sample collection for laboratory analysis, XRF sampling, and writing the report to the Flint Housing Commission with findings and compliance requirements.

Large Apartment Complex in Flint, Michigan

Conducted asbestos inspections of over 100 residential units. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Flint with findings and compliance requirements.

INDOOR AIR QUALITY AND MOLD

Conducted mold assessments and verification sampling on municipal buildings, schools, and private facilities in the State of Michigan. Assessment scopes included mold identification and moisture infiltration, abatement scope design, and post abatement visual inspection and clearance sampling.

Conducted visual and indoor air quality clearance samples for multiple residential homes following ACM removal, prior to demolition, throughout the State of Michigan.

Highrise Apartment Building Detroit, Michigan

Monitored indoor air quality during removal of asbestos containing materials. Provided clearance air sampling upon completion.

Multiple School Buildings Detroit, Michigan

Performed visual inspection, tape lift samples, air sampling, and moisture readings to evaluate potential mold growth. Completed clearance inspection and sampling after remediation and provided the client with a report of methods and findings.

PROPERTY CONDTION ASSESSMENTS

Completed inspections of commercial, industrial, and residential properties in the State of Michigan. Identified physical deficiencies, material defects, and deferred maintenance. Reported findings, including cost estimates for repairs and replacements deemed necessary.

STORM WATER INSPECTIONS

Performed inspections of construction sites to determine compliance with state storm water regulations. Reported deficiencies and recommend remedies.

Large Apartment Complex Howell, Michigan

Conducted weekly inspections during construction to ensure compliance with construction storm water regulations. Provided weekly report with findings, deficiencies, and remedy options to the client and County.

WASTEWATER OPERATIONS

Super Fund Site, St. Joseph, Michigan

Performed monthly maintenance and sampling to insure proper operation and compliance with applicable regulations. Maintained air striper and CatOx system for removal of VOCs from contaminated groundwater.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan

Operated outdoor air monitoring and sampling stations to ensure chemicals of concern and fugitive dust did not leave the property. Performed real time air monitoring during demolition activities.



State of Michigan Department of Labor and Economic Opportunity

Department of Labor and Economic Opportunity Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

C + T TALLET

John F. Schuitema 6790 Hinchey Road Pinckney, MI 48169

Accreditation Number

Expiration Date

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is mit vand if attended

DOB: 06/17/1981

151348

Appendix B

Results of Asbestos Sample Analysis and Chain of Custody



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2548-2544 Van Dyke Project # 2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/10/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95651 - 01 Cust. #: 1A Material: Red/Yellow Faux Brick Asphalt Siding Location: North Side Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 65% Other - 35%
Lab ID #: 95651 - 02 Cust. #: 1B Material: Red/Yellow Faux Brick Asphalt Siding Location: South Side Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 65% Other - 35%
Lab ID #: 95651 - 03 Cust. #: 2A Material: Off White Window Glaze Location: South Window Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Report To:

NVLAP Lab Code 102118-0



21-95651

ARI Report #

21 Pat

Robert T. Letarte Jr., Laboratory Director

Brighton, MI 48116		Date Reported: 08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95651 - 04 Cust. #: 2B Material: Off White Window Glaze Location: East Side Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95651 - 05 Cust. #: 3A Material: 12"x12" Cream/Tan Floor Tile Location: 2548 Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95651 - 05a Cust. #: 3A Material: Glue Location: 2548 Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

Report To: Mr. David Amir **ASTI Environmental** 10448 Citation Dr., Suite 100 ARI Report # 21-95651 Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/17/21

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2548-2544 Van Dyke Project # 2-11759



Page 2 of 10

NVLAP Lab Code 102118-0

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

Cust. #: No Asbestos Observed 3R Material: 12"x12" Cream/Tan Floor Tile Location: 2548 Bath Appearance: white, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95651 - 06a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 3B Material: Glue Location: 2548 Bath Appearance: clear, nonfibrous, homogenous Layer: 2 of 2 Lab ID #: 95651 - 07 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 4A 12"x12" Cream/Brown Floor Tile Material: Location: 2548 Kitchen Appearance: white, nonfibrous, homogenous Layer: 1 of 2

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116 Sample Information

95651 - 06

Report To:

Lab ID #:

Mr. David Amir

ARI Report # 21-95651 Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Non-Asbestos Material

Other - 100%

Contificate of I sharetony Analysis
Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM) Project : 2548-2544 Van Dyke

Project # 2-11759

Asbestos Type/Percent

Asbestos Present: NO





NVLAP Lab Code 102118-0

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

95651 - 08a Lab ID #: Cust. #: 4BMaterial: Glue Location: 2548 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2

Lab ID #: 95651 - 07a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4A Material: Glue Location: 2548 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: of 2 2 95651 - 08 Asbestos Present: NO Other - 100% Lab ID #: Cust. #: No Asbestos Observed 4B12"x12" Cream/Brown Floor Tile Material: Location: 2548 Kitchen Appearance: white, nonfibrous, homogenous Layer: 1 of 2 Asbestos Present: NO Other - 100% No Asbestos Observed

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Sample Information

ARI Report # 21-95651 Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Non-Asbestos Material

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2548-2544 Van Dyke Project # 2-11759

Asbestos Type/Percent





NVLAP Lab Code 102118-0

Page 4 of 10

Appearance: white, nonfibrous, homogenous Layer: 1 of 2 For Layered Samples, each component will be analyzed and reported separately.

Sample Information Asbestos Type/Percent Non-Asbestos Material 95651 - 09 Lab ID #: Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 5A Material: Plaster Finish Coat Location: 2548 Appearance: white, nonfibrous, homogenous Layer: of 1 2 Asbestos Present: NO 95651 - 09a Hair - 2% Lab ID #: Cust. #: No Asbestos Observed Other - 98% 5A Plaster Base Coat Material: Location: 2548 Appearance: grey,fibrous,homogenous Layer: 2 of 2 Lab ID #: 95651 - 10 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 5BPlaster Finish Coat Material: Location: 2548

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

ARI Report # 21-95651 Date Collected: 08/10/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

	6
Test Method, Polarized Light Microscopy (PLM)	

Certificate of Laboratory Analysis

Project : 2548-2544 Van Dyke Project # 2-11759

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.







NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2548-2544 Van Dyke Project # 2-11759

ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95651 - 10a Asbestos Present: NO Hair - 2% Cust. #: No Asbestos Observed Other - 98% 5R Material: Plaster Base Coat Location: 2548 Appearance: grey,fibrous,homogenous Layer: of 2 2 Asbestos Present: NO 95651 - 11 Other - 100% Lab ID #: Cust. #: 5C No Asbestos Observed Plaster Finish Coat Material: Location: 2548 Appearance: white, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 95651 - 11a Asbestos Present: NO Hair - 2% No Asbestos Observed Other - 98% Cust. #: 5C Plaster Base Coat Material: Location: 2548 Appearance: grey,fibrous,homogenous Layer: 2 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Report To:

Mr. David Amir



21-95651

08/10/21

ARI Report #

Date Collected:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2548-2544 Van Dyke Project # 2-11759

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95651 - 12 Cust. #: 5D Material: Plaster Finish Coat Location: 2548 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95651 - 12a Cust. #: 5D Material: Plaster Base Coat Location: 2548 Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Hair - 2% Other - 98%
Lab ID #: 95651 - 13 Cust. #: 5E Material: Plaster Finish Coat Location: 2544 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Report To:

Mr. David Amir

NVLAP Lab Code 102118-0





21-95651

08/10/21

ARI Report #

Date Collected:

Date Reported:

ARI Report #

Date Collected:

Date Received:

Date Analyzed:

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95651 - 13a Cust. #: 5E Material: Plaster Base Coat Location: 2544 Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Hair - 1% Other - 99%
Lab ID #: 95651 - 14 Cust. #: 5F Material: Plaster Finish Coat Location: 2544 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95651 - 14a Cust. #: 5F Material: Plaster Base Coat Location: 2544 Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Hair - 2% Other - 98%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Report To:

Mr. David Amir

ASTI Environmental

Brighton, MI 48116

10448 Citation Dr., Suite 100

NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2548-2544 Van Dyke Project # 2-11759



21-95651

08/10/21

08/13/21

08/17/21

08/17/21

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Lab ID #: 95651 - 15 Asbestos Present: NO Other - 100% Cust. #: 5G No Asbestos Observed Material: Plaster Finish Coat Location: 2544 Appearance: white, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95651 - 15a Hair - 2% Lab ID #: Cust. #: No Asbestos Observed Other - 98% 5G Plaster Base Coat Material: Location: 2544 Appearance: grey,fibrous,homogenous Layer: 2 of 2 Lab ID #: 95651 - 16 Asbestos Present: NO Cellulose - 40% No Asbestos Observed Other - 60% Cust. #: 6A Material: Black Asphalt Roof Shingle Location: Roof

Sample Information

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116 ARI Report #21-95651Date Collected:08/10/21Date Received:08/13/21Date Analyzed:08/17/21

Date Reported:

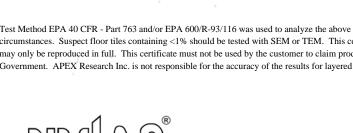
Non-Asbestos Material

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2548-2544 Van Dyke Project # 2-11759

Asbestos Type/Percent



For Layered Samples, each component will be analyzed and reported separately.

Appearance: black,fibrous,nonhomogenous

Layer:

1

of 1



08/17/21

NVLAP Lab Code 102118-0

NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 2548-2544 Van Dyke Project # 2-11759

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Conected.08/10/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95651 - 17 Cust. #: 6B Material: Black Asphalt Roof Shingle Location: Roof Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Report To: Mr David Amir ARI Report # 21-95651 Date Collected 08/10/21

ICOCE	<u>د</u>	Δρεχ	Recearch Inc		*
	11054 Hi Te	11054 Hi Tech Drive, Whitmore Lake, MI 48189.	Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	34) 449 - 9991 www.ApexMI.	com APEX
			Date of Survey: <u>\$</u>	JU. 2021	Lab Use Only
Customer Nai	Customer Name: ASTI Environmental	nmental	∞	2544 Van Dut	
Address: 10448 Citation Drive	3 Citation Drive		Project # $2 - 11$		
City, St., Zip:	City, St., Zip: Brighton, Michigan 4811	n 48116	erson:	/ Jill Tinsley /	J Schultemer Fax:
Phone: 810.225.2800	5.2800	Fax: 810.225.3800	ii-en	v.com / jtinsley@asti-env.com	
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Rush	24 hour	Asbestos:	Bulk X Wipe _	Point Count	PCM
48 hour	72 hour	Lead / Cad / Chrome:	Wipe ASTM E1792? circle YES	or NO Air I	Paint Bulk
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	11054 Hi Te	11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (I X	(734) 449 - 9991 www.ApexMI.com	APEX
				5	Lab Use Only
Customer N	Customer Name: ASTI Environmental		2548-2544	van dyke	
Address: 104	Address: 10448 Citation Drive	Proje	1 7-11759		Report:
City, St., Zip:	City, St., Zip: Brighton, Michigan 48116		erson: Da	\sim	John SahnstemalFax:
Phone: 810.225.2800	225.2800	310.225.3800	il: damir@asti-env.com / jtins	sley@asti-env.com	Verbal:
Turn Around T	Turn Around Time: (circle One) "Terms and conditions on the other side.		Circle analyses required, indicate type and quantity	pe and quantity	i end Email:
Rush	24 hour	Asbestos: Bulk	X Wipe Pc	Point Count	PCM
48 hour	72 hour	Lead / Cad / Chrome: Wipe	Wipe ASTM E1792? circle YES or NO Air	ir Paint	Bulk
Other:	TTP (yes) no	Mold:	Air/Zefon/AlergencoD	BioSIS	Tape
Samples received after 3pm logged in next morning	3pm (Test Till Positive) 5	ive) TEM: Bulk/NOB		_ EPA Level II	Other
Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	БE	Plaster 12544			
	5F				
	<u>چ</u> 2	412544			
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	6B				
		and the second se			
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Date: X. 1. Ze Revision R5 Date: Nov/2017	<u>Z</u>	Time/Date:APEX_RESEARCHDate:	Choate:	Time/Date:	

Apex #

Appendix C

Photos



PHOTO LOG 2544-2548 Van Dyke Street, Detroit, Michigan

<image/>	Photo 1. View of the 2544 – 2548 Van Dyke Street front
<image/>	Photo 2. View of the 2544 – 2548 Van Dyke Street rear
	Photo 3. View of the 2544 – 2548 Van Dyke Street side



PHOTO LOG 2544-2548 Van Dyke Street, Detroit, Michigan

	Photo 4.	View of the interior
<image/>	Photo 5.	View of interior



ASTI ENVIRONMENTAL

Environmental Investigation, Remediation, Compliance and Restoration Projects Throughout The Great Lakes Since 1985.

OUR SERVICES INCLUDE:

- ASBESTOS, LEAD, MOLD, AND RADON ASSESSMENTS
- BROWNFIELD/GREYFIELD REDEVELOPMENT ASSISTANCE
- DEVELOPMENT INCENTIVES AND GRANT MANAGEMENT
- ECOLOGICAL ASSESSMENTS AND RESTORATION
- ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS
- ENVIRONMENTAL OPPORTUNITIES ASSESSMENT
- GIS MAPPING
- HAZARD MITIGATION PLANNING
- MINING AND RECLAMATION ASSISTANCE
- REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE
- PHASE I ESA AND ENVIRONMENTAL DUE DILIGENCE ASSESSMENTS
- REGULATORY COMPLIANCE AND PERMITTING
- SOIL AND GROUNDWATER ASSESSMENTS
- SOIL AND GROUNDWATER REMEDIATION
- STORAGE TANK COMPLIANCE AND CLOSURE
- THREATENED AND ENDANGERED SPECIES SURVEYS
- WATERSHED AND STORMWATER MANAGEMENT PROGRAMS
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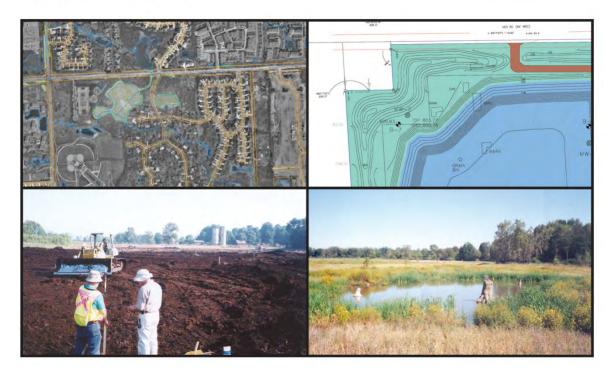


Asbestos-Containing Materials Inspection 2463 and 2465 Seyburn Street Detroit, Michigan 48214

Develop Detroit, Inc.

October 7, 2021

ASTI ENVIRONMENTAL





Asbestos-Containing Materials Inspection 2463 – 2465 Seyburn Street Detroit, Michigan 48214

October 7, 2021

Report Prepared For:

Develop Detroit Inc 1452 Randolph Street Suite 300 Detroit, Michigan 48226

Report Prepared By:

ASTI Environmental 10448 Citation Drive, Suite 100 Brighton, Michigan 48116 1-800-395-ASTI

ASTI Project No. 2-11759

Report Prepared by:

laine Junsla

Jelaine D. Tinsley Asbestos Inspector (A16395)

Report Reviewed by:

David A. Amir, EP Director-Site Redevelopment Services



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2.0	Limitation and Exceptions		2
3.0	Subj	ect Property Description	3
4.0	Asbe	estos-Containing Materials Inspection	4
	4.1 4.2 4.3 4.4	Previous Asbestos-Containing Materials Inspections Asbestos Inspection Methodology Sample Collection Laboratory Analytical Results	4 5
5.0	Cond	clusions and Recommendations	7

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Site Location Map

<u>Tables</u>

1 Asbestos Sample Results

Appendices

- A Resume and Accreditations of Ms. Jelaine Tinsley and Mr. John Schuitema
- B Results of Asbestos Sample Analysis and Chain of Custody
- C Photos

i

Executive Summary

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection of the building located at 2463 – 2465 Seyburn Street, Detroit, Michigan (Subject Property). ASTI's scope of work included sampling of suspect ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M.

The structure inspected consists of a two-story, two-family flat residence with a basement. Based on the inspection conducted by ASTI on August 12, 2021 the following ACMs were identified on the Subject Property:

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct insulation / White	Basement	150 lf - Visible

Presumed Asbestos-Containing Material

During completion of the inspection, one material was identified as potential ACM, however, due to the destructive nature of sampling required; this material was not sampled at this time and should be considered as presumed asbestos-containing materials (PACMs) until it can be sampled. The following PACM was identified during the site inspection.

Presumed Asbestos-Containing Materials Summary

MATERIAL	LOCATION	ESTIMATED QUANTITY
Bathtub undercoat	Bathrooms	2 bathtubs



1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection at 2463 - 2465 Seyburn Street, Detroit, Michigan (Subject Property). Refer to the attached Site Location Map for the approximate location of the Subject Property. The information and opinions rendered in this report are prepared for the benefit of Develop Detroit Inc.; ASTI acknowledges that said party may rely upon the contents and conclusions presented in this report. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied are made.



2.0 LIMITATION AND EXCEPTIONS

ASTI's scope of work included sampling of suspect homogeneous ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M and ASTM E2356-10 Standard Practice for Comprehensive Building Asbestos Surveys. Suspect materials not identified within this report may be encountered in inaccessible wall cavities, chases, floor cavities, etc. during demolition activities. These materials must be presumed to be ACM until they can be sampled and analyzed for asbestos content.



3.0 SUBJECT PROPERTY DESCRIPTION

The Subject Property consists of a two-story, two-family, 2,158 square foot residence of wood frame and masonry construction with an attic, basement, and an asphalt-shingled gabled roof. The residence was constructed in 1913. The Subject Property contained interior finishes such as plaster, drywall, linoleum, vinyl floor tile, hardwood floor, glass and paint.



4.0 ASBESTOS-CONTAINING MATERIALS INSPECTION

Ms. Jelaine Tinsley (Asbestos Inspector No. A16395) and Mr. John Schuitema (Asbestos Inspector No. A51781) of ASTI's Site Redevelopment Services Group conducted the ACM inspection of the Subject Property located at 2463 -2465 Seyburn Street, Detroit, Michigan on August 12, 2021. Copies of Ms. Tinsley and Mr. Schuitema's resumes and asbestos accreditations are provided in Appendix A.

4.1 Previous Asbestos-Containing Materials Inspections

ASTI is not aware of any previous ACM inspections of the Subject Property.

4.2 Asbestos Inspection Methodology

ASTI's scope of work included sampling of suspect ACMs in accordance with the AHERA and NESHAP protocols. The inspection included a visual inspection of the building in order to identify homogeneous areas of suspect surfacing materials, thermal system insulation, and miscellaneous materials, as well as the sampling of suspect friable and non-friable materials. The following definitions from 40 CFR Part 763 are provided below.

<u>Asbestos-Containing Material (ACM):</u> any material or product which contains more than one percent asbestos.

<u>Surfacing Materials (SM)</u>: material that is troweled-on, sprayed-on or otherwise applied to surfaces for acoustical, fireproofing or other purposes.

<u>Thermal System Insulation (TSI)</u>: material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior components to prevent heat loss or gain, or water condensation or for other purposes.

<u>Miscellaneous Materials (MM):</u> interior building material on structural components, structural members or fixtures such as floors and ceilings and does not include surfacing material or thermal system insulation.

<u>Friable:</u> material that when dry, may be crumbled pulverized or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized or reduced to powder by hand pressure.



<u>Non-friable:</u> material which when dry may not be crumbled, pulverized or reduced to powder by hand pressure.

Homogeneous areas (HAs): an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture.

4.3 <u>Sample Collection</u>

Samples were collected by physically removing a small piece of suspect material and placing it in a marked plastic bag. Samples were collected using wet methods, as appropriate. The sample collection tool was cleaned prior to each use to avoid cross-contamination of samples. ASTI sampled a variety of materials for asbestos testing. The material types sampled are listed below.

- Duct insulation
- Mortar
- 12" x 12" Floor tile and associated mastics
- Sink undercoat
- Plaster
- Drywall and joint compound
- Window glaze
- Textured paint
- Roofing materials
- Stair tread
- Faux brick siding

ASTI collected 37 bulk samples from the suspect ACMs. A total of 71 sample layers were analyzed. The bulk samples were transmitted under chain-of-custody protocol to Apex Research Laboratory in Whitmore Lake, Michigan for asbestos analysis using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the US Environmental Protection Agency's (US EPA's) "Interim Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116, June 1993). Sample results are presented in the attached Table 1.



4.4 Laboratory Analytical Results

Building materials identified to contain greater than 1% asbestos are defined as ACMs. Review of the asbestos test results revealed that the following ACM was identified on the Subject Property:

НА	Material/Description	Location	Asbestos Result
1	Duct insulation / White	Throughout	60% Chrysotile

A comprehensive list of sampled materials with analytical results is provided as Table 1. A copy of the laboratory data sheets, along with the chain-of-custodies are included in Appendix B.

Asbestos-Containing Material Quantities

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct insulation / White	Basement	150 lf - Visible



5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the inspection completed at the Subject Property, ACMs were identified in the buildings. A summary of the ACMs identified, along with ASTI's recommendations are as follows.

Based on the inspection conducted by ASTI August 12, 2021, the following ACM was identified on the Subject Property.

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct insulation / White	Basement	150 lf – Visible

According to classification guidelines set forth in NESHAP, the duct insulation is classified as friable thermal system insulation (TSI) ACM. Additional TSI may be located in hidden cavities not accessible during the inspection. If any future work, such as renovation or demolition, would disturb this material, it is considered a regulated ACM and must be removed by a licensed abatement contractor

Presumed Asbestos-Containing Material

During completion of the inspection, one material was identified as a potential ACM, however, due to the destructive nature of sampling required; this material was not sampled at this time and should be considered as presumed asbestos-containing material (PACM) until it can be sampled. The following PACM was identified during the site inspection.

MATERIAL	LOCATION	ESTIMATED QUANTITY
Bathtub undercoat	Bathrooms	2 bathtubs

Presumed Asbestos-Containing Materials Summary

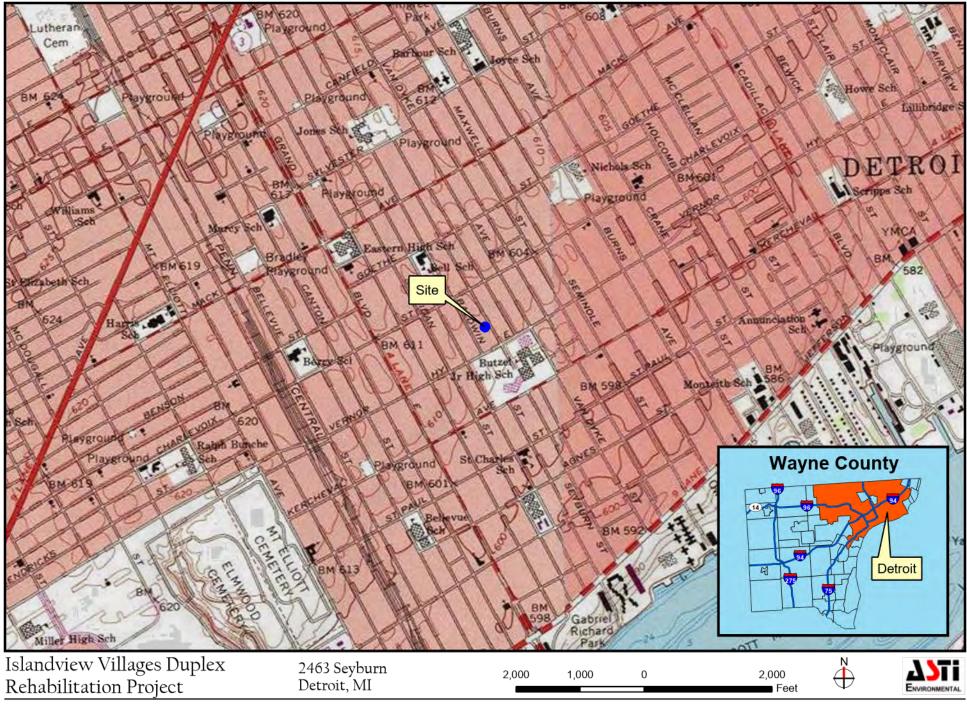
According to classification guidelines set forth in NESHAP, the bathtub coating is presumed to contain asbestos and is classified as a Category II non-friable ACM. Until testing of this material is completed, it should be treated as Category II non-friable ACM.



Figures

Site Location Map





Tables

1 Asbestos Sample Results



Table Asbestos Sample Results Develop Detroit 2463 - 2465 Seyburn Detroit, Michigan ASTI Project No: 2-11759

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
1A	Duct Wrap-White/Grey	Basement	60% Chrysotile
1B	Duct Wrap-White/Grey	Basement	NA
1C	Duct Wrap-White/Grey	Basement	NA
2A	Brick Mortar-Grey	Basement	NAD
2B	Brick Mortar-Grey	Basement	NAD
ЗA	12"x12" Floor Tile Cream w/Multi Color Specks	Lower Kitchen	NAD
ЗA	Glue	Lower Kitchen	NAD
3B	12"x12" Floor Tile Cream w/Multi Color Specks	Lower Kitchen	NAD
30	Glue	Lower Kitchen	NAD
4A	Sink Undercoat-White	Lower Kitchen	NAD
4B	Sink Undercoat-White	Lower Kitchen	NAD
	12x12 Floor Tile-Cream	Lower Kitchen	NAD
_ ^	Glue	Lower Kitchen	NAD
5A	12x12 Floor Tile-Tan	Lower Kitchen	NAD
	Glue	Lower Kitchen	NAD
	12x12 Floor Tile-Cream	Lower Kitchen	NAD
	Glue	Lower Kitchen	NAD
5B	12x12 Floor Tile-Tan	Lower Kitchen	NAD
	Glue	Lower Kitchen	NAD
	Plaster/Skim Coat	Lower Kitchen	NAD
6A	Plaster/Finish Coat	Lower Kitchen	NAD
	Plaster/Base Coat	Lower Kitchen	NAD
	Plaster/Finish Coat	Lower Kitchen	NAD
6B	Plaster/Base Coat	Lower Kitchen	NAD
	Plaster/Skim Coat	Lower Kitchen	NAD
6C	Plaster/Finish Coat	Lower Kitchen	NAD
	Plaster/Base Coat	Lower Kitchen	NAD
	Plaster/Skim Coat	Lower Kitchen	NAD
6D	Plaster/Finish Coat	Lower Kitchen	NAD
	Plaster/Base Coat	Lower Kitchen	NAD
	Plaster/Finish Coat	Upper Kitchen	NAD
6E	Plaster/Base Coat	Upper Kitchen	NAD
	Plaster/Finish Coat	Upper Living	NAD
6F	Plaster/Base Coat	Upper Living	NAD
	Plaster/Finish Coat	Upper Dining	NAD
6G	Plaster/Base Coat	Upper Dining	NAD
7A	Drywall Joint Compound-White	Lower Kitchen	NAD
7B 8A	Drywall Joint Compound-White Window Glaze - Off-White	Lower Kitchen South Side	NAD NAD
8A 8B	Window Glaze - Off-White	South Side	NAD NAD
9A	Roll On Texture-White	Lower Dining Room	NAD
9B	Roll On Texture-White	Lower Dining Room	NAD
9C	Roll On Texture-White	Lower Dining Room	NAD
	12x12 Floor Tile-Green Glue	Lower Bedroom Lower Bedroom	NAD NAD
10A	12x12 Floor Tile-Cream	Lower Bedroom	NAD NAD
	Glue	Lower Bedroom	NAD
	12x12 Floor Tile-Green	Lower Bedroom	NAD
10B	Glue	Lower Bedroom	NAD
	12x12 Floor Tile-Cream	Lower Bedroom	NAD
	Glue	Lower Bedroom	NAD

Table Asbestos Sample Results Develop Detroit 2463 - 2465 Seyburn Detroit, Michigan ASTI Project No: 2-11759

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
11A	Roofing-Black & Red	Roof	NAD
11B	Roofing-Black & Red	Roof	NAD
12A	Porch Roofing-Green	Porch	NAD
12B	Porch Roofing-Green	Porch	NAD
13A	Faux Brick Siding-Reddish/Fiberboard	Exterior	NAD
13B	Faux Brick Siding-Reddish/Fiberboard	Exterior	NAD
	12x12 Floor Tile-Grey	Upper Bathroom	NAD
14A	Glue	Upper Bathroom	NAD
147	Green Floor Tile	Upper Bathroom	NAD
	Glue	Upper Bathroom	NAD
	12x12 Floor Tile-Grey	Upper Bathroom	NAD
14B	Glue	Upper Bathroom	NAD
140	Green Floor Tile	Upper Bathroom	NAD
	Glue	Upper Bathroom	NAD
	12x12 Floor Tile-Wood Grain	Upper Kitchen	NAD
15A	Glue	Upper Kitchen	NAD
154	Floor Tile - White	Upper Kitchen	NAD
	Glue	Upper Kitchen	NAD
15B	12x12 Floor Tile-Wood Grain	Upper Kitchen	NAD
	Glue	Upper Kitchen	NAD
	Floor Tile - White	Upper Kitchen	NAD
	Glue	Upper Kitchen	NAD

Appendix A

Resume and Accreditation of Ms. Jelaine Tinsley And Mr. John Schuitema







JELAINE D. TINSLEY Environmental Professional

PROFILE

Certifications/Licenses NIOSH 582-Equivalent Course Sampling and Analysis of Airborne Asbestos Fibers OSHA 29 CFR 1910.120 HAZWOPER 40-Hour and 8-Hour Refresher (2020) Asbestos Inspector-Michigan (License No. A16395) Asbestos Inspector-Inliana (License No. 100-19756) Asbestos Inspector-Indiana (License No. 19A007625) Asbestos Hazard Evaluation Specialist-Ohio (License No.ES36108) Asbestos Inspector / Management Planner-Kentucky (License No. 66369) Asbestos Project Designer-Michigan (License No. A16395) Certified Confined Space Entrant and Attendant American Red Cross First Aide and Adult CPR Certified ASTM Certification in RBCA Applied at Petroleum Release Sites Bituminous Testing Technician Michigan Provisional Teaching Certificate

Education Western Michigan University, B.S., Earth Science and Education

Experience History Environmental Professional, ASTI ENVIRONMENTAL Project Manager, Yeoman Group Project Manager, A&F Environmental Environmental Consultant, DLZ Corporation Environmental Consultant, AKT Peerless Geologist, ATC Associates Geologist, NUS Corporation Teacher, Detroit Public Schools Staff Scientist, CTI and Associates, Inc.

<u>Professional Memberships and Service</u> Michigan Association of Environmental Professionals (MAEP) Commercial Real Estate Women Detroit (CREW)

Professional Background

Ms. Tinsley has more than 30 years experience in the environmental industry in a variety of areas including Phase I environmental site assessments (ESAs), Phase II ESAs, baseline environmental assessments (BEAs), subsurface investigations (soil and groundwater testing), soil and groundwater evaluations, asbestos and mold inspections, abatement oversight, and specification development. Ms. Tinsley has also coordinated numerous hazardous material and pre-demolition surveys which included evaluations of asbestos, mold, radon and universal wastes for municipal, commercial, and industrial facilities.

Years Experience:

6 --- ASTI ENVIRONMENTAL 25 --- other firms

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial) to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances. Responsibilities included the preparation and/or review of ASTM Phase I and Phase ESAs, Baseline Environmental Ш Assessments (BEAs), and Due Care Plans. Ms. Tinsley has experience working in Michigan, Illinois, Indiana, Ohio, Kentucky, Tennessee, Georgia, Alabama, Mississippi, and Florida. Ms. Tinsley also has performed listing site evaluations for a dedicated contactor to the US EPA. Ms. Tinsley is also knowledgeable with All Appropriate Inquiries (AAI) per 40 CFR Part 312 and meets the requirements of an Environmental Professional per AAI.

Customer Training

Provided training for financial institutions on the types of properties that should have environmental evaluations.

Vapor Intrusion Evaluation, Jackson, Michigan

Conducted vapor intrusion studies at commercial properties to assess potential vapor migration. Scope of work included coordination of vapor intrusion points, vapor sample collection, and coordination of chemical testing.

CONSTRUCTION TESTING

Conducted construction material analysis which included soil proctors, soil sieve analysis, asphalt extractions, and concrete stress testing.

ASBESTOS INSPECTIONS AND ABATEMENT COORDINATION/OVERSIGHT

Responsible for asbestos program management including coordination and technical lead for hazardous material surveys and asbestos and mold related testing activities.

Asbestos Inspections, City of Detroit Neighborhood Redevelopment Project

Inspector of asbestos hazards at over 300 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Detroit with findings and compliance requirements.

Asbestos Inspections, City of Inkster Neighborhood Redevelopment Project

Conducted asbestos inspections at over 100 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Inkster with findings and compliance requirements.

Large Hotel Detroit, Michigan

Inspected the hotel property as part of a team. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings. Performed oversight of ACM abatement.

Medical Complex Kalamazoo, Michigan

Responsible for coordination of field activities for the ACM abatement of the complex. Conducted schedule and strategy meetings.

Hotel, Detroit, Michigan

Inspected the hotel property. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings.

Former Coal Power Plant

Conducted a thorough asbestos inspection of an inactive multi-building coal power plant in Detroit, Michigan. Collected samples, and performed thorough photo documentation and quantification of all ACMs in the power plant and supporting buildings.

UNDERGROUND STORAGE TANKS AND PETROLEUM REMEDIATION PROJECT

Commercial Development Royal Oak, Michigan

Coordinated the remediation of a former gasoline service station, during site development for a commercial company. Work included Phase I ESA and Phase II site investigation to evaluate USTs and hoists onsite, as well as coordinating a GPR survey for additional USTs on site, a BEA, and a Due Care Plan. Assisted with the development bid specifications for site remediation activities including UST and hoist removal, soil remediation, and asbestos abatement. Coordinated the removal of five (5) USTs, one in-ground hoist, and 300,000 cubic yards of petroleum-impacted soils.









JOHN F. SCHUITEMA Environmental Field Technician

PROFILE

<u>Certifications</u> Asbestos Inspector (A51781) Michigan Lead Inspector/Risk Assessor (P-07409) ICC Property Maintenance Inspector ICC Zoning Inspector 40-Hour OSHA HAZWOPER Training 8-Hour OSHA HAZWOPER Refresher

Education

Lead Inspector/Risk Assessor Training Asbestos Awareness Training Lead Awareness Training Asbestos Inspector Training

Experience History Field Technician, ASTI Environmental Government

Professional Background

Mr. Schuitema has experience in the field with soil sampling, lead dust sampling, asbestos surveys, air monitoring, hazardous materials surveys, and lead inspections. Mr. Schuitema has assisted with Phase II investigations, property condition assessments, mold sampling, indoor air quality assessments, moisture operation and maintenance plans, and performed health and safety related building inspections.

Years' Experience:

3 --- ASTI ENVIRONMENTAL

3 --- Government

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial), to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances.

ASBESTOS AND LEAD INSPECTION AND RISK ASSESSMENTS

Responsible for asbestos inspections and lead inspections and risk assessments on commercial, multi-family, and single-family properties.

Lead Based Paint Inspections and Risk Assessments. Flint Housing Commission

Inspection of lead hazards throughout Flint's public housing complexes, dust wipe sample collection for laboratory analysis, XRF sampling, and writing the report to the Flint Housing Commission with findings and compliance requirements.

Large Apartment Complex in Flint, Michigan

Conducted asbestos inspections of over 100 residential units. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Flint with findings and compliance requirements.

INDOOR AIR QUALITY AND MOLD

Conducted mold assessments and verification sampling on municipal buildings, schools, and private facilities in the State of Michigan. Assessment scopes included mold identification and moisture infiltration, abatement scope design, and post abatement visual inspection and clearance sampling.

Conducted visual and indoor air quality clearance samples for multiple residential homes following ACM removal, prior to demolition, throughout the State of Michigan.

Highrise Apartment Building Detroit, Michigan

Monitored indoor air quality during removal of asbestos containing materials. Provided clearance air sampling upon completion.

Multiple School Buildings Detroit, Michigan

Performed visual inspection, tape lift samples, air sampling, and moisture readings to evaluate potential mold growth. Completed clearance inspection and sampling after remediation and provided the client with a report of methods and findings.

PROPERTY CONDTION ASSESSMENTS

Completed inspections of commercial, industrial, and residential properties in the State of Michigan. Identified physical deficiencies, material defects, and deferred maintenance. Reported findings, including cost estimates for repairs and replacements deemed necessary.

STORM WATER INSPECTIONS

Performed inspections of construction sites to determine compliance with state storm water regulations. Reported deficiencies and recommend remedies.

Large Apartment Complex Howell, Michigan

Conducted weekly inspections during construction to ensure compliance with construction storm water regulations. Provided weekly report with findings, deficiencies, and remedy options to the client and County.

WASTEWATER OPERATIONS

Super Fund Site, St. Joseph, Michigan

Performed monthly maintenance and sampling to insure proper operation and compliance with applicable regulations. Maintained air striper and CatOx system for removal of VOCs from contaminated groundwater.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan

Operated outdoor air monitoring and sampling stations to ensure chemicals of concern and fugitive dust did not leave the property. Performed real time air monitoring during demolition activities.



State of Michigan Department of Labor and Economic Opportunity

Department of Labor and Economic Opportunity Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

C + T TALLET

John F. Schuitema 6790 Hinchey Road Pinckney, MI 48169

Accreditation Number

Expiration Date

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is mit vand if attend.

DOB: 06/17/1981

151348

Appendix B

Results of Asbestos Sample Analysis and Chain of Custody



Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #21-95656Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 01 Cust. #: 1A Material: Duct Wrap-White/Grey Location: Basement Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 60%	Other - 40%
Lab ID #: 95656 - 02 Cust. #: 1B Material: Duct Wrap-White/Grey Location: Basement Appearance:	Asbestos Present: NOT ANALYZED	
Layer: of		
Lab ID #: 95656 - 03 Cust. #: 1C Material: Duct Wrap-White/Grey Location: Basement	Asbestos Present: NOT ANALYZED	
Appearance: Layer: of		

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Cust. #: No Asbestos Observed 2A Material: Brick Mortar-Grey Location: Basement Appearance: brown,nonfibrous,homogenous Layer: of 1 1 Asbestos Present: NO 95656 - 05 Other - 100% Lab ID #: Cust. #: No Asbestos Observed $2\mathbf{B}$ Material: Brick Mortar-Grey Location: Basement Appearance: brown, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 95656 - 06 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 3A Material: FT 12x12 Cream w/Multi Color Specks Location: Lower Kitchen Appearance: beige, nonfibrous, homogenous Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

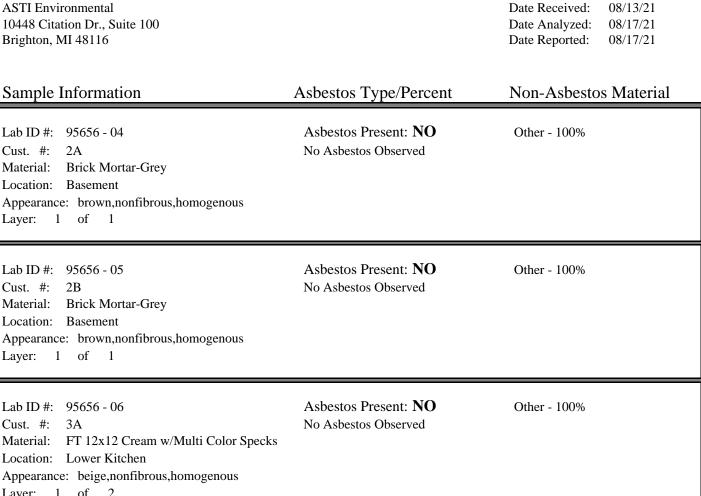
Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759





21-95656

08/12/21

ARI Report #

Date Collected:

NVLAP Lab Code 102118-0

Report To:

Mr. David Amir

imits	may	yield	l false	e/negative	results	in certain
	•	1	1	.1	· . ·.	C .1

For Layered Samples, each component will be analyzed and reported separately.

Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95656 - 06a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 3A Material: Glue Location: Lower Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Asbestos Present: NO Lab ID #: 95656 - 07 Other - 100% Cust. #: No Asbestos Observed 3B Material: FT 12x12 Cream w/Multi Color Specks Location: Lower Kitchen Appearance: beige, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 95656 - 07a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 3B Material: Glue Location: Lower Kitchen Appearance: yellow,nonfibrous,homogenous 2 of Layer: 2

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 ARI Report # 21-95656 Date Collected: 08/12/21 Date Received: 08/13/21 Date Analyzed: 08/17/21

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

NVLAP Lab Code 102118-0

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



1 of 1 Asbestos Present: NO No Asbestos Observed 5A Material: 12x12 FT-Cream Location: Lower Kitchen Appearance: white, nonfibrous, homogenous

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Date Reported: Brighton, MI 48116 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95656 - 08 Asbestos Present: NO Cellulose - 10% Cust. #: No Asbestos Observed Other - 90% 4AMaterial: Sink Undercoat-White Location: Lower Kitchen Appearance: white, fibrous, homogenous Layer: of 1 1 Asbestos Present: NO 95656 - 09 Cellulose - 10% Lab ID #: Cust. #: No Asbestos Observed Other - 90% 4BMaterial: Sink Undercoat-White Location: Lower Kitchen Appearance: white, fibrous, homogenous Layer: Lab ID #: 95656 - 10 Other - 100% Cust. #:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759



21-95656

08/12/21

08/13/21

08/17/21

ARI Report #

Date Collected:

Date Received:

Date Analyzed:

NVLAP Lab Code 102118-0

Layer:

1 of 4

Report To:

Mr. David Amir

ASTI Environmental

10448 Citation Dr., Suite 100

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 10a Cust. #: 5A Material: Glue Location: Lower Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 10b Cust. #: 5A Material: 12x12 FT-Tan Location: Lower Kitchen Appearance: brown,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 10c Cust. #: 5A Material: Glue Location: Lower Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0





Report To:

ARI Report # 21-95656

Robert T. Letarte Jr., Laboratory Director

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(734) 449-9990, Fax (734) 449-9991

Lab ID #: 95656 - 11 Cust. #: 5B Material: 12x12 FT-Cream Location: Lower Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%	
Lab ID #: 95656 - 11a Cust. #: 5B Material: Glue Location: Lower Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%	
Lab ID #: 95656 - 11b Cust. #: 5B Material: 12x12 FT-Tan Location: Lower Kitchen Appearance: brown,nonfibrous,homogenous	Asbestos Present: NO No Asbestos Observed	Other - 100%	

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Sample Information

ARI Report # 21-95656 Date Collected: 08/12/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Non-Asbestos Material

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Asbestos Type/Percent





NVLAP Lab Code 102118-0

Layer:

3

of

4

For Layered Samples, each component will be analyzed and reported separately.

For Layered Samples, each component will be analyzed and reported separately.

 Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Lab ID #: 95656 - 11c Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 5B Material: Glue Location: Lower Kitchen Appearance: yellow,nonfibrous,homogenous Layer: of 4 4 Asbestos Present: NO Lab ID #: 95656 - 12 Other - 100% Cust. #: No Asbestos Observed 6A Material: Plaster/Skim Coat Location: Lower Kitchen Appearance: white, nonfibrous, homogenous Layer: 1 of 3 Lab ID #: 95656 - 12a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 6A Material: Plaster/Finish Coat Location: Lower Kitchen Appearance: white, nonfibrous, homogenous Layer: 2 of 3

Report To:		ARI Report #	21-95656
Mr. David Amir		Date Collected:	08/12/21
ASTI Environmental		Date Received:	08/13/21
10448 Citation Dr., Suite 100		Date Analyzed:	08/17/21
Brighton, MI 48116		Date Reported:	08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbesto	os Material

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759



NVLAP Lab Code 102118-0

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #21-95656Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 12b Cust. #: 6A Material: Plaster/Base Coat Location: Lower Kitchen Appearance: grey,fibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Hair - 5% Other - 95%
Lab ID #: 95656 - 13 Cust. #: 6B Material: Plaster/Finish Coat Location: Lower Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 13a Cust. #: 6B Material: Plaster/Base Coat Location: Lower Kitchen Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Hair - 5% Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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NVLAP Lab Code 102118-0





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Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 14 Cust. #: 6C Material: Plaster/Skim Coat Location: Lower Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 14a Cust. #: 6C Material: Plaster/Finish Coat Location: Lower Kitchen Appearance: white,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 14b Cust. #: 6C Material: Plaster/Base Coat Location: Lower Kitchen Appearance: grey,fibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Hair - 5% Other - 95%

Report To:

ARI Report # 21-95656



Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

Lab ID #: 95656 - 15 Cust. #: 6D Material: Plaster/Skim Coat Location: Lower Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 15a Cust. #: 6D Material: Plaster/Finish Coat Location: Lower Kitchen Appearance: white,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 15b Cust. #: 6D Material: Plaster/Base Coat Location: Lower Kitchen Appearance: grey,fibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Hair - 5% Other - 95%

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Sample Information

Report To:

 ARI Report #
 21-95656

 Date Collected:
 08/12/21

 Date Received:
 08/13/21

 Date Analyzed:
 08/17/21

 Date Reported:
 08/17/21

Non-Asbestos Material

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM) Project : Slandrew Village 2463 Seyburn

Project # :2-11759

Asbestos Type/Percent



Page 10 of 25

NVLAP Lab Code 102118-0

Lab ID #:	95656 - 17	Asbestos Present: NO	Other - 100%
Cust. #:	6F	No Asbestos Observed	
Material:	Plaster/Finish Coat		
Location:	Upper Living		
Appearance	e: white.nonfibrous.homogenous		

For Layered Samples, each component will be analyzed and reported separately.

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results,

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Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Brighton, MI 48116 Sample Information

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100

ARI Report # 21-95656 Date Collected: 08/12/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

08/17/21 Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95656 - 16 Asbestos Present: NO Other - 100% Cust. #: 6E No Asbestos Observed Material: Plaster/Finish Coat Location: Upper Kitchen Appearance: white, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95656 - 16a Hair - 5% Lab ID #: Cust. #: No Asbestos Observed Other - 95% 6E Material: Plaster/Base Coat Location: Upper Kitchen Appearance: grey,fibrous,homogenous Layer: 2 of 2 Layer: of 2 1

NVLAP Lab Code 102118-0





Robert T. Letarte Jr., Laboratory Director

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #21-95656Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 17a Cust. #: 6F Material: Plaster/Base Coat Location: Upper Living Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Hair - 5% Other - 95%
Lab ID #: 95656 - 18 Cust. #: 6G Material: Plaster/Finish Coat Location: Upper Dining Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 18a Cust. #: 6G Material: Plaster/Base Coat Location: Upper Dining Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Hair - 2% Other - 98%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0



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For Layered Samples, each component will be analyzed and reported separately.

Appearance: white, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO 95656 - 20 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 7**B** Drywall Joint Compound-White Material: Location: Lower Kitchen Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 95656 - 21 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 8A Window Glaze - Off-White Material: Location: South Side Appearance: beige,nonfibrous,homogenous Layer: 1 of 1

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Sample Information

7A

Lab ID #:

Cust. #:

Material:

95656 - 19

Drywall Joint Compound-White

ARI Report # 21-95656 Date Collected: 08/12/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Non-Asbestos Material

Other - 100%

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Location: Lower Kitchen



NVLAP Lab Code 102118-0

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

Material: Window Glaze - Off-White Location: South Side Appearance: beige, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO Other - 100% Lab ID #: 95656 - 23 Cust. #: No Asbestos Observed 9A Material: Roll On Texture-White Location: Lower Dining Room Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 95656 - 24 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 9R Roll On Texture-White Material: Location: Lower Dining Room Appearance: white, nonfibrous, homogenous Layer: 1 of 1

10448 Citation Dr., Suite 100 Brighton, MI 48116

95656 - 22

Sample Information

8R

Report To:

Lab ID #:

Cust. #:

Mr. David Amir

ASTI Environmental

 ARI Report #
 21-95656

 Date Collected:
 08/12/21

 Date Received:
 08/13/21

 Date Analyzed:
 08/17/21

 Date Reported:
 08/17/21

Non-Asbestos Material

Other - 100%

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759





NVLAP Lab Code 102118-0

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Asbestos Present: **NO** No Asbestos Observed

Asbestos Type/Percent

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

For Layered Samples, each component will be analyzed and reported separately.

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 25 Cust. #: 9C Material: Roll On Texture-White Location: Lower Dining Room Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 26 Cust. #: 10A Material: 12x12 FT-Green Location: Lower Bedroom Appearance: green,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 95656 - 26a Cust. #: 10A Material: Glue Location: Lower Bedroom Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

Report To: Mr. David Amir **ASTI Environmental** 10448 Citation Dr., Suite 100 Brighton, MI 48116

ARI Report # 21-95656 Date Collected: 08/12/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

	Certif	icate of I	Laboratory	Analysis
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Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759



NVLAP Lab Code 102118-0

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

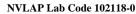
Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 26b Cust. #: 10A Material: 12x12 FT-Cream Location: Lower Bedroom Appearance: white,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 26c Cust. #: 10A Material: Glue Location: Lower Bedroom Appearance: clear,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 27 Cust. #: 10B Material: 12x12 FT-Green Location: Lower Bedroom Appearance: green,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

ARI Report # 21-95656

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #21-95656Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 27a Cust. #: 10B Material: Glue Location: Lower Bedroom Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 27b Cust. #: 10B Material: 12x12 FT-Cream Location: Lower Bedroom Appearance: white,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 27c Cust. #: 10B Material: Glue Location: Lower Bedroom Appearance: clear,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 28 Cust. #: 11A Material: Roofing-Black & Red Location: Roof Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 95656 - 29 Cust. #: 11B Material: Roofing-Black & Red Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 95656 - 30 Cust. #: 12A Material: Porch Roofing-Green Location: Porch Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

NVLAP Lab Code 102118-0



21-95656

ARI Report #

:2-11/59

Report To: ARI Report # 21-95656 Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95656 - 31 Asbestos Present: NO Cellulose - 40% Cust. #: No Asbestos Observed Other - 60% 12B Material: Porch Roofing-Green Location: Porch Appearance: black,fibrous,nonhomogenous Layer: of 1

Lab ID #: 95656 - 32 Cust. #: 13A Material: Faux Brick Siding-Reddish/Fiberboard Location: Exterior Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1

Appearance: brown,fibrous,nonhomogenous

Lab ID #: 95656 - 33

Location: Exterior

1 of 1

13B

Cust. #:

Material:

Layer:

Asbestos Present: NO

No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Cellulose - 60% Other - 40%

Cellulose - 60%

Other - 40%

For Layered Samples, each component will be analyzed and reported separately.

Faux Brick Siding-Reddish/Fiberboard

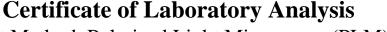
Robert T. Letarte Jr., Laboratory Director

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TESTING NVLAP Lab Code 102118-0

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759





For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 34 Cust. #: 14A Material: 12x12 Floor Tile-Grey Location: Upper Bathroom Appearance: grey,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 34a Cust. #: 14A Material: Glue Location: Upper Bathroom Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 34b Cust. #: 14A Material: Green Floor Tile Location: Upper Bathroom Appearance: green,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

Report To: Mr. David Amir **ASTI Environmental** 10448 Citation Dr., Suite 100 Brighton, MI 48116

ARI Report # 21-95656 Date Collected: 08/12/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759



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Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 34c Cust. #: 14A Material: Glue Location: Upper Bathroom Appearance: clear,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 35 Cust. #: 14B Material: 12x12 Floor Tile-Grey Location: Upper Bathroom Appearance: grey,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 35a Cust. #: 14B Material: Glue Location: Upper Bathroom Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0





Report To:

ARI Report # 21-95656

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Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 35b Cust. #: 14B Material: Green Floor Tile Location: Upper Bathroom Appearance: green,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 35c Cust. #: 14B Material: Glue Location: Upper Bathroom Appearance: clear,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 36 Cust. #: 15A Material: 12x12 FT-Wood Grain Location: Upper Kitchen Appearance: brown,nonfibrous,homogenous Laver: 1 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

Report To: Mr. David Amir **ASTI Environmental** 10448 Citation Dr., Suite 100 Brighton, MI 48116

ARI Report # 21-95656 Date Collected: 08/12/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #21-95656Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 36a Cust. #: 15A Material: Glue Location: Upper Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 36b Cust. #: 15A Material: White FT Location: Upper Kitchen Appearance: white,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 36c Cust. #: 15A Material: Glue Location: Upper Kitchen Appearance: clear,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0



Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 37 Cust. #: 15B Material: 12x12 FT-Wood Grain Location: Upper Kitchen Appearance: brown,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 37a Cust. #: 15B Material: Glue Location: Upper Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95656 - 37b Cust. #: 15B Material: White FT Location: Upper Kitchen Appearance: white,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

Report To: Mr. David Amir **ASTI Environmental** 10448 Citation Dr., Suite 100 Brighton, MI 48116

For Layered Samples, each component will be analyzed and reported separately.

ARI Report # 21-95656 Date Collected: 08/12/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759



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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Slandrew Village 2463 Seyburn Project # :2-11759

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #21-95656Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95656 - 37c Cust. #: 15B Material: Glue Location: Upper Kitchen Appearance: clear,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Relinquished By: Date: <u><i>S</i>/13/2/</u> Revision R4 Date: May/2017													Lab ID Cu		Samples received after 3pm logged in next morning	Other:	48 hour	Kush	I UTIL AFOUND TIME: (CI/CIE ONE) INTERNS and conditions on the other side.	Phone: 8/0-225-	3	Address: /0448	Customer Name:			95656	3
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Appendix C

Photos



PHOTO LOG 2463-2465 Seyburn Street, Detroit, Michigan

	Photo 1. View of the 2463 – 2465 Seyburn Street front
<image/>	Photo 2. View of the 2463 – 2465 Seyburn Street south side
<image/>	Photo 3. View of the 2463 – 2465 Seyburn Street north side



PHOTO LOG 2463-2465 Seyburn Street, Detroit, Michigan

Photo 4. View of the 2463 – 2465 Seyburn Street interior
Photo 5. View of asbestos- containing duct insulation



ASTI ENVIRONMENTAL

Environmental Investigation, Remediation, Compliance and Restoration Projects Throughout The Great Lakes Since 1985.

OUR SERVICES INCLUDE:

- ASBESTOS, LEAD, MOLD, AND RADON ASSESSMENTS
- BROWNFIELD/GREYFIELD REDEVELOPMENT ASSISTANCE
- DEVELOPMENT INCENTIVES AND GRANT MANAGEMENT
- ECOLOGICAL ASSESSMENTS AND RESTORATION
- ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS
- ENVIRONMENTAL OPPORTUNITIES ASSESSMENT
- GIS MAPPING
- HAZARD MITIGATION PLANNING
- MINING AND RECLAMATION ASSISTANCE
- REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE
- PHASE I ESA AND ENVIRONMENTAL DUE DILIGENCE ASSESSMENTS
- REGULATORY COMPLIANCE AND PERMITTING
- SOIL AND GROUNDWATER ASSESSMENTS
- SOIL AND GROUNDWATER REMEDIATION
- STORAGE TANK COMPLIANCE AND CLOSURE
- THREATENED AND ENDANGERED SPECIES SURVEYS
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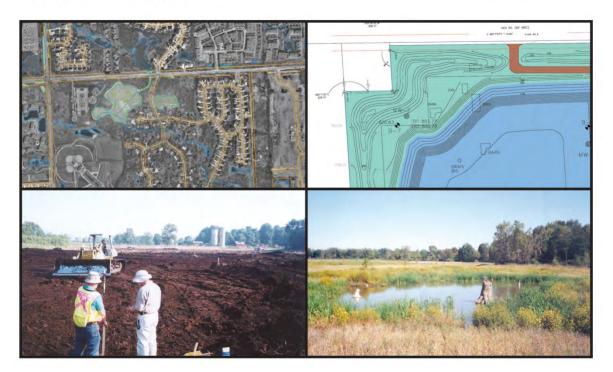


Asbestos-Containing Materials Inspection 2419 – 2421 Beals Street Detroit, Michigan 48214

Develop Detroit, Inc.

October 7, 2021

ASTI ENVIRONMENTAL





Asbestos-Containing Materials Inspection 2419 – 2421 Beals Street Detroit, Michigan 48214

October 7, 2021

Report Prepared For:

Develop Detroit Inc 1452 Randolph Street Suite 300 Detroit, Michigan 48226

Report Prepared By:

ASTI Environmental 10448 Citation Drive, Suite 100 Brighton, Michigan 48116 1-800-395-ASTI

ASTI Project No. 2-11759

Report Prepared by:

laine Junsla

Jelaine D. Tinsley Asbestos Inspector (A16395)

Report Reviewed by:

David A. Amir, EP Director-Site Redevelopment Services



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Appendices

- A Resume and Accreditations of Ms. Jelaine Tinsley and Mr. John Schuitema
- B Results of Asbestos Sample Analysis and Chain of Custody
- C Photos

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Executive Summary

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection of the building located at 2419 – 2421 Beals Street, Detroit, Michigan (Subject Property). ASTI's scope of work included sampling of suspect ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M.

The structure inspected consists of two-story, two-family flat residence with a basement. Based on the inspection conducted by ASTI on August 12, 2021 the following ACM was identified on the Subject Property:

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct insulation / White	Basement	200 lf - Visible



1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Develop Detroit Inc. to conduct an asbestoscontaining material (ACM) inspection at 2419 - 2421 Beals Street, Detroit, Michigan (Subject Property). Refer to the attached Site Location Map for the approximate location of the Subject Property. The information and opinions rendered in this report are prepared for the benefit of Develop Detroit Inc. and ASTI acknowledges that said party may rely upon the contents and conclusions presented in this report. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied are made.



2.0 LIMITATION AND EXCEPTIONS

ASTI's scope of work included sampling of suspect homogeneous ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M and ASTM E2356-10 Standard Practice for Comprehensive Building Asbestos Surveys. Suspect materials not identified within this report may be encountered in inaccessible wall cavities, chases, floor cavities, etc. during demolition activities. These materials must be presumed to be ACM until they can be sampled and analyzed for asbestos content.



3.0 SUBJECT PROPERTY DESCRIPTION

The Subject Property consists of a two-story, two-family, 1,976 square foot residence of wood frame and masonry construction with an attic, basement, and a asphalt shingled gabled roof. The residence was constructed in 1913. The Subject Property contained interior finishes such as plaster, linoleum, vinyl floor tile, hardwood floor, glass and paint.



4.0 ASBESTOS-CONTAINING MATERIALS INSPECTION

Ms. Jelaine Tinsley (Asbestos Inspector No. A16395) and Mr. John Schuitema (Asbestos Inspector No. A51781) of ASTI's Site Redevelopment Services Group conducted the ACM inspection of the Subject Property located at 2419 -2421 Beals Street, Detroit, Michigan on August 12, 2021. Copies of Ms. Jelaine Tinsley and Mr. John Schuitema's resumes and asbestos accreditations are provided in Appendix A.

4.1 Previous Asbestos-Containing Materials Inspections

ASTI is not aware of any previous ACM inspections of the Subject Property.

4.2 Asbestos Inspection Methodology

ASTI's scope of work included sampling of suspect ACMs in accordance with the AHERA and NESHAP protocols. The inspection included a visual inspection of the building in order to identify homogeneous areas of suspect surfacing materials, thermal system insulation, and miscellaneous materials, as well as the sampling of suspect friable and non-friable materials. The following definitions from 40 CFR Part 763 are provided below.

<u>Asbestos-Containing Material (ACM):</u> any material or product which contains more than one percent asbestos.

<u>Surfacing Materials (SM)</u>: material that is troweled-on, sprayed-on or otherwise applied to surfaces for acoustical, fireproofing or other purposes.

<u>Thermal System Insulation (TSI)</u>: material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior components to prevent heat loss or gain, or water condensation or for other purposes.

<u>Miscellaneous Materials (MM):</u> interior building material on structural components, structural members or fixtures such as floors and ceilings and does not include surfacing material or thermal system insulation.

<u>Friable:</u> material that when dry, may be crumbled pulverized or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized or reduced to powder by hand pressure.



<u>Non-friable:</u> material which when dry may not be crumbled, pulverized or reduced to powder by hand pressure.

Homogeneous areas (HAs): an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture.

4.3 Sample Collection

Samples were collected by physically removing a small piece of suspect material and placing it in a marked plastic bag. Samples were collected using wet methods, as appropriate. The sample collection tool was cleaned prior to each use to avoid cross-contamination of samples. ASTI sampled a variety of materials for asbestos testing. The material types sampled are listed below.

- Duct insulation
- 12" x 12" Floor tile and associated mastics
- Plaster
- Textured paint
- Window glaze
- Stair tread
- Roofing materials
- Mortar

ASTI collected 32 bulk samples from the suspect ACMs. A total of 55 sample layers were analyzed. The bulk samples were transmitted under chain-of-custody protocol to Apex Research Laboratory in Whitmore Lake, Michigan for asbestos analysis using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the US Environmental Protection Agency's (US EPA's) "Interim Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116, June 1993). Sample results are presented in the attached Table 1.

4.4 Laboratory Analytical Results

Building materials identified to contain greater than 1% asbestos are defined as ACMs. Review of the asbestos test results revealed that the following ACMs were identified on the Subject Property:



НА	Material/Description	Location	Asbestos Result
1	Duct insulation / White	Throughout	20% Chrysotile

A comprehensive list of sampled materials with analytical results is provided as Table 1. A copy of the laboratory data sheets, along with the chain-of-custodies are included in Appendix B.

Asbestos-Containing Material Quantities

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct insulation / White	Basement	200 lf - Visible



5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the inspection completed at the Subject Property, ACMs were identified in the buildings. A summary of the ACM identified, along with ASTI's recommendations are as follows.

Based on the inspection conducted by ASTI August 12, 2021, the following ACM was identified on the Subject Property.

MATERIAL	LOCATION	ESTIMATED QUANTITY
Duct insulation / White	Basement	200 lf - Visible

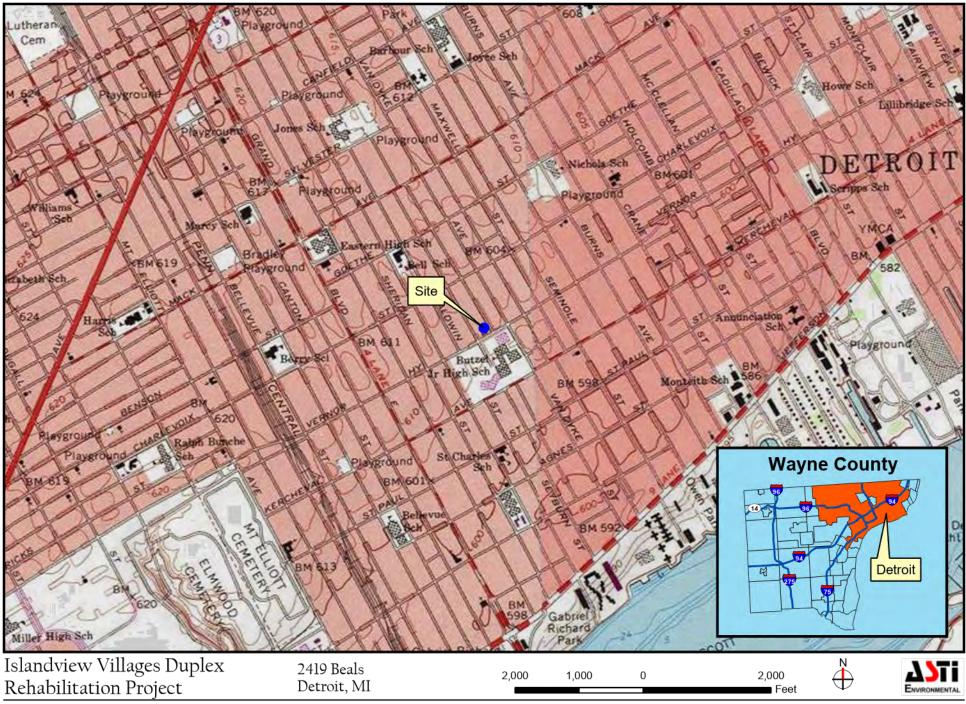
According to classification guidelines set forth in NESHAP, the duct insulation is classified as friable thermal system insulation (TSI) ACM. Most of the duct work is on the ground. Additional TSI may be located in hidden cavities not accessible during the inspection. If any future work, such as renovation or demolition, would disturb this material, it is considered a regulated ACM and must be removed by a licensed abatement contractor



Figures

Site Location Map





Tables

1 Asbestos Sample Results



Table Asbestos Sample Results Develop Detroit 2419-2421 Beals Detroit, MI ASTI Project No: 2-11759

ASTI Sample ID	Material/Description	Sample Location	Asbestos Results
1A	Duct Wrap-Grey	Basement	20% Chrysotile
1B	Duct Wrap-Grey	Basement	NA
1C	Duct Wrap-Grey	Basement	NA
2A	12x12 Floor Tile-Wood Grain	Kitchen Lower	NAD
2A	Glue	Kitchen Lower	NAD
2B	12x12 Floor Tile-Wood Grain	Kitchen Lower	NAD
2B	Glue	Kitchen Lower	NAD
ЗA	Plaster-White/Finish Coat	Upper Unit	NAD
ЗA	Plaster-Grey/Base Coat	Upper Unit	NAD
3B	Plaster-White/Finish Coat	Upper Unit	NAD
3B	Plaster-Grey/Base Coat	Upper Unit	NAD
3C	Plaster-White/Finish Coat	Upper Unit	NAD
3C	Plaster-Grey/Base Coat	Upper Unit	NAD
3D	Plaster-White/Finish Coat	Upper Unit	NAD
3D	Plaster-Grey/Base Coat	Upper Unit	NAD
3E	Plaster-White/Finish Coat	Lower Unit	NAD
3E 3E	Plaster-Grey/Base Coat	Lower Unit	NAD
3E 3F	Plaster-White/Finish Coat		
_		Lower Unit	NAD
3F	Plaster-Grey/Base Coat	Lower Unit	NAD
3G	Plaster-White/Finish Coat	Lower Unit	NAD
3G	Plaster-Grey/Base Coat	Lower Unit	NAD
4A	12x12 Floor Tile-Pink	Lower Bathroom	NAD
4A	Glue	Lower Bathroom	NAD
4A	12x12 Floor Tile-White	Lower Bathroom	NAD
4A	Glue	Lower Bathroom	NAD
4B	12x12 Floor Tile-Pink	Lower Bathroom	NAD
4B	Glue	Lower Bathroom	NAD
4B	12x12 Floor Tile-White	Lower Bathroom	NAD
4B	Glue	Lower Bathroom	NAD
5A	12x12 Floor Tile-Beige/Brown	Upper Kitchen	NAD
5A	Glue	Upper Kitchen	NAD
5A 5A	Floor Tile		NAD
		Upper Kitchen	
5A	Mastic	Upper Kitchen	NAD
5B	12x12 Floor Tile-Beige/Brown	Upper Kitchen	NAD
5B	Glue	Upper Kitchen	NAD
5B	Floor Tile	Upper Kitchen	NAD
5B 6A	Mastic 12x12 FT-Beige/Brown w/Blue Flowers	Upper Kitchen Upper Bath	NAD NAD
6A	Glue	Upper Bath	NAD
6A	Felt	Upper Bath	NAD
6B	12x12 FT-Beige/Brown w/Blue Flowers	Upper Bath	NAD
6B	Glue	Upper Bath	NAD
6B	Felt	Upper Bath	NAD
7A	Textured Paint-White Popcorn	NW Upper Bedroom-East Wall	NAD
7B 7C	Textured Paint-White Popcorn Textured Paint-White Popcorn	NW Upper Bedroom-East Wall NW Upper Bedroom-West Wall	NAD NAD
8A	Window Glaze - Off-White	Upper Window	NAD
8B	Window Glaze - Off-White	Upper Window	NAD
9A	Stair Tread-Black	Upper Stairs	NAD
9B	Stair Tread-Black	Upper Stairs	NAD

ASTI Sample ID	Material/Description	Sample Location	Asbestos Results
10A	Roofing-Black, White & Green Shingles	Roof	NAD
10B	Roofing-Black, White & Green Shingles	Roof	NAD
11A	Textured Paint-Roll On- White	Living Room Ceiling	NAD
11B	Textured Paint-Roll On- White	Living Room Ceiling	NAD
11C	Textured Paint-Roll On- White	Living Room Ceiling	NAD
12A	Brick Mortar-Grey	East Side	NAD
12B	Brick Mortar-Grey	East Side	NAD

Appendix A

Resume and Accreditation of Ms. Jelaine Tinsley And Mr. John Schuitema







JELAINE D. TINSLEY Environmental Professional

PROFILE

Certifications/Licenses NIOSH 582-Equivalent Course Sampling and Analysis of Airborne Asbestos Fibers OSHA 29 CFR 1910.120 HAZWOPER 40-Hour and 8-Hour Refresher (2020) Asbestos Inspector-Michigan (License No. A16395) Asbestos Inspector-Indiana (License No. 100-19756) Asbestos Inspector-Indiana (License No. 19A007625) Asbestos Hazard Evaluation Specialist-Ohio (License No.ES36108) Asbestos Inspector / Management Planner-Kentucky (License No. 66369) Asbestos Project Designer-Michigan (License No. A16395) Certified Confined Space Entrant and Attendant American Red Cross First Aide and Adult CPR Certified ASTM Certification in RBCA Applied at Petroleum Release Sites Bituminous Testing Technician Michigan Provisional Teaching Certificate

Education Western Michigan University, B.S., Earth Science and Education

Experience History Environmental Professional, ASTI ENVIRONMENTAL Project Manager, Yeoman Group Project Manager, A&F Environmental Environmental Consultant, DLZ Corporation Environmental Consultant, AKT Peerless Geologist, ATC Associates Geologist, NUS Corporation Teacher, Detroit Public Schools Staff Scientist, CTI and Associates, Inc.

<u>Professional Memberships and Service</u> Michigan Association of Environmental Professionals (MAEP) Commercial Real Estate Women Detroit (CREW)

Professional Background

Ms. Tinsley has more than 30 years experience in the environmental industry in a variety of areas including Phase I environmental site assessments (ESAs), Phase II ESAs, baseline environmental assessments (BEAs), subsurface investigations (soil and groundwater testing), soil and groundwater evaluations, asbestos and mold inspections, abatement oversight, and specification development. Ms. Tinsley has also coordinated numerous hazardous material and pre-demolition surveys which included evaluations of asbestos, mold, radon and universal wastes for municipal, commercial, and industrial facilities.

Years Experience:

6 --- ASTI ENVIRONMENTAL 25 --- other firms

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial) to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances. Responsibilities included the preparation and/or review of ASTM Phase I and Phase ESAs, Baseline Environmental Ш Assessments (BEAs), and Due Care Plans. Ms. Tinsley has experience working in Michigan, Illinois, Indiana, Ohio, Kentucky, Tennessee, Georgia, Alabama, Mississippi, and Florida. Ms. Tinsley also has performed listing site evaluations for a dedicated contactor to the US EPA. Ms. Tinsley is also knowledgeable with All Appropriate Inquiries (AAI) per 40 CFR Part 312 and meets the requirements of an Environmental Professional per AAI.

Customer Training

Provided training for financial institutions on the types of properties that should have environmental evaluations.

Vapor Intrusion Evaluation, Jackson, Michigan

Conducted vapor intrusion studies at commercial properties to assess potential vapor migration. Scope of work included coordination of vapor intrusion points, vapor sample collection, and coordination of chemical testing.

CONSTRUCTION TESTING

Conducted construction material analysis which included soil proctors, soil sieve analysis, asphalt extractions, and concrete stress testing.

ASBESTOS INSPECTIONS AND ABATEMENT COORDINATION/OVERSIGHT

Responsible for asbestos program management including coordination and technical lead for hazardous material surveys and asbestos and mold related testing activities.

Asbestos Inspections, City of Detroit Neighborhood Redevelopment Project

Inspector of asbestos hazards at over 300 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Detroit with findings and compliance requirements.

Asbestos Inspections, City of Inkster Neighborhood Redevelopment Project

Conducted asbestos inspections at over 100 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Inkster with findings and compliance requirements.

Large Hotel Detroit, Michigan

Inspected the hotel property as part of a team. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings. Performed oversight of ACM abatement.

Medical Complex Kalamazoo, Michigan

Responsible for coordination of field activities for the ACM abatement of the complex. Conducted schedule and strategy meetings.

Hotel, Detroit, Michigan

Inspected the hotel property. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings.

Former Coal Power Plant

Conducted a thorough asbestos inspection of an inactive multi-building coal power plant in Detroit, Michigan. Collected samples, and performed thorough photo documentation and quantification of all ACMs in the power plant and supporting buildings.

UNDERGROUND STORAGE TANKS AND PETROLEUM REMEDIATION PROJECT

Commercial Development Royal Oak, Michigan

Coordinated the remediation of a former gasoline service station, during site development for a commercial company. Work included Phase I ESA and Phase II site investigation to evaluate USTs and hoists onsite, as well as coordinating a GPR survey for additional USTs on site, a BEA, and a Due Care Plan. Assisted with the development bid specifications for site remediation activities including UST and hoist removal, soil remediation, and asbestos abatement. Coordinated the removal of five (5) USTs, one in-ground hoist, and 300,000 cubic yards of petroleum-impacted soils.









JOHN F. SCHUITEMA Environmental Field Technician

PROFILE

<u>Certifications</u> Asbestos Inspector (A51781) Michigan Lead Inspector/Risk Assessor (P-07409) ICC Property Maintenance Inspector ICC Zoning Inspector 40-Hour OSHA HAZWOPER Training 8-Hour OSHA HAZWOPER Refresher

Education

Lead Inspector/Risk Assessor Training Asbestos Awareness Training Lead Awareness Training Asbestos Inspector Training

Experience History Field Technician, ASTI Environmental Government

Professional Background

Mr. Schuitema has experience in the field with soil sampling, lead dust sampling, asbestos surveys, air monitoring, hazardous materials surveys, and lead inspections. Mr. Schuitema has assisted with Phase II investigations, property condition assessments, mold sampling, indoor air quality assessments, moisture operation and maintenance plans, and performed health and safety related building inspections.

Years' Experience:

3 --- ASTI ENVIRONMENTAL

3 --- Government

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial), to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances.

ASBESTOS AND LEAD INSPECTION AND RISK ASSESSMENTS

Responsible for asbestos inspections and lead inspections and risk assessments on commercial, multi-family, and single-family properties.

Lead Based Paint Inspections and Risk Assessments. Flint Housing Commission

Inspection of lead hazards throughout Flint's public housing complexes, dust wipe sample collection for laboratory analysis, XRF sampling, and writing the report to the Flint Housing Commission with findings and compliance requirements.

Large Apartment Complex in Flint, Michigan

Conducted asbestos inspections of over 100 residential units. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Flint with findings and compliance requirements.

INDOOR AIR QUALITY AND MOLD

Conducted mold assessments and verification sampling on municipal buildings, schools, and private facilities in the State of Michigan. Assessment scopes included mold identification and moisture infiltration, abatement scope design, and post abatement visual inspection and clearance sampling.

Conducted visual and indoor air quality clearance samples for multiple residential homes following ACM removal, prior to demolition, throughout the State of Michigan.

Highrise Apartment Building Detroit, Michigan

Monitored indoor air quality during removal of asbestos containing materials. Provided clearance air sampling upon completion.

Multiple School Buildings Detroit, Michigan

Performed visual inspection, tape lift samples, air sampling, and moisture readings to evaluate potential mold growth. Completed clearance inspection and sampling after remediation and provided the client with a report of methods and findings.

PROPERTY CONDTION ASSESSMENTS

Completed inspections of commercial, industrial, and residential properties in the State of Michigan. Identified physical deficiencies, material defects, and deferred maintenance. Reported findings, including cost estimates for repairs and replacements deemed necessary.

STORM WATER INSPECTIONS

Performed inspections of construction sites to determine compliance with state storm water regulations. Reported deficiencies and recommend remedies.

Large Apartment Complex Howell, Michigan

Conducted weekly inspections during construction to ensure compliance with construction storm water regulations. Provided weekly report with findings, deficiencies, and remedy options to the client and County.

WASTEWATER OPERATIONS

Super Fund Site, St. Joseph, Michigan

Performed monthly maintenance and sampling to insure proper operation and compliance with applicable regulations. Maintained air striper and CatOx system for removal of VOCs from contaminated groundwater.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan

Operated outdoor air monitoring and sampling stations to ensure chemicals of concern and fugitive dust did not leave the property. Performed real time air monitoring during demolition activities.



State of Michigan Department of Labor and Economic Opportunity

Department of Labor and Economic Opportunity Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

C + T TALLET

John F. Schuitema 6790 Hinchey Road Pinckney, MI 48169

Accreditation Number

Expiration Date

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is mit vand if attended

DOB: 06/17/1981

151348

Appendix B

Results of Asbestos Sample Analysis and Chain of Custody



APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 01 Asbestos Present: YES Cellulose - 35% Cust. #: Chrysotile - 20% Other - 45% 1A Material: Duct Wrap-Grey Location: Basement Appearance: white, fibrous, nonhomogenous Layer: of 1 1 95653 - 02 Asbestos Present: Lab ID #: Cust. #: 1BMaterial: Duct Wrap-Grey NOT ANALYZED Location: Basement Appearance: Layer: of Lab ID #: 95653 - 03 Asbestos Present: Cust. #: 1CMaterial: Duct Wrap-Grey Location: Basement NOT ANALYZED Appearance: Layer: of

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

Report To:

ARI Report # 21-95653



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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 04 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 2AMaterial: 12x12 Floor Tile-Wood Grain Location: Kitchen Lower Appearance: white, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95653 - 04a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 2A Material: Glue Location: Kitchen Lower Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Lab ID #: 95653 - 05 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 2B12x12 Floor Tile-Wood Grain Material: Location: Kitchen Lower Appearance: white, nonfibrous, homogenous Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Report To: Mr. David Amir ARI Report # 21-95653 Date Collected: 08/12/21



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Report To: ARI Report # 21-95653 Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Date Reported: Brighton, MI 48116 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 05a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 2BMaterial: Glue Location: Kitchen Lower Appearance: yellow,nonfibrous,homogenous Layer: of 2 2 Asbestos Present: NO 95653 - 06 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 3A Material: Plaster-White/Finish Coat Location: Upper Unit Appearance: white, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 95653 - 06a Asbestos Present: NO Cellulose - 1% No Asbestos Observed Hair - 1% Cust. #: 3A Other - 98% Material: Plaster-Grey/Base Coat Location: Upper Unit Appearance: grey,fibrous,homogenous Layer: 2 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 07 Asbestos Present: NO Other - 100% Cust. #: 3B No Asbestos Observed Material: Plaster-White/Finish Coat Location: Upper Unit Appearance: white, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95653 - 07a Cellulose - 1% Lab ID #: Cust. #: No Asbestos Observed Hair - 1% 3B Material: Plaster-Grey/Base Coat Other - 98% Location: Upper Unit Appearance: grey,fibrous,homogenous Layer: 2 of 2 Lab ID #: 95653 - 08 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 3C Plaster-White/Finish Coat Material: Location: Upper Unit Appearance: white, nonfibrous, homogenous Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

ARI Report # Date Collected:



21-95653

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 08a Asbestos Present: NO Cellulose - 1% Cust. #: 3C No Asbestos Observed Hair - 1% Material: Plaster-Grey/Base Coat Other - 98% Location: Upper Unit Appearance: grey,fibrous,homogenous Layer: of 2 2 Asbestos Present: NO 95653 - 09 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 3D Material: Plaster-White/Finish Coat Location: Upper Unit Appearance: white, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 95653 - 09a Asbestos Present: NO Cellulose - 1% No Asbestos Observed Hair - 1% Cust. #: 3D Other - 98% Material: Plaster-Grey/Base Coat Location: Upper Unit Appearance: grey,fibrous,homogenous Layer: 2 of 2

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Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0



21-95653

ARI Report #

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Mr. David Amir ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material 95653 - 10 Lab ID #: Asbestos Present: NO Other - 100% Cust. #: 3E No Asbestos Observed Material: Plaster-White/Finish Coat Location: Lower Unit Appearance: beige, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 95653 - 10a Cellulose - 1% Lab ID #: Cust. #: No Asbestos Observed Hair - 1% 3E Plaster-Grey/Base Coat Material: Other - 98% Location: Lower Unit Appearance: brown,fibrous,homogenous Layer: 2 of 2 Lab ID #: 95653 - 11 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 3F Plaster-White/Finish Coat Material: Location: Lower Unit Appearance: beige,nonfibrous,homogenous Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 21-95653 Date Collected: 08/12/21



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Mr. David Amir ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Date Reported: Brighton, MI 48116 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 11a Asbestos Present: NO Cellulose - 1% Cust. #: 3F No Asbestos Observed Hair - 1% Material: Plaster-Grey/Base Coat Other - 98% Location: Lower Unit Appearance: brown,fibrous,homogenous Layer: of 2 2 Asbestos Present: NO 95653 - 12 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 3G Material: Plaster-White/Finish Coat Location: Lower Unit Appearance: beige, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 95653 - 12a Asbestos Present: NO Cellulose - 1% No Asbestos Observed Hair - 1% Cust. #: 3G Other - 98% Material: Plaster-Grey/Base Coat Location: Lower Unit Appearance: brown,fibrous,homogenous Layer: 2 of 2

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 21-95653 Date Collected: 08/12/21

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(734) 449-9990, Fax (734) 449-9991

NVLAP Lab Code 102118-0

Cust. #: 4A 12x12 Floor Tile-White Material: Location: Lower Bathroom Appearance: white, nonfibrous, homogenous Layer: 3 of 4

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Material: 12x12 Floor Tile-Pink Location: Lower Bathroom Appearance: pink,nonfibrous,homogenous Layer: of 4 1 Asbestos Present: NO 95653 - 13a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 4A Material: Glue Location: Lower Bathroom Appearance: clear, nonfibrous, homogenous Layer: 2 of 4 Lab ID #: 95653 - 13b Asbestos Present: NO Other - 100% No Asbestos Observed

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Sample Information

4A

Lab ID #: 95653 - 13

Cust. #:

ARI Report # 21-95653 Date Collected: 08/12/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21

Non-Asbestos Material

Other - 100%

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed



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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 13c Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4A Material: Glue Location: Lower Bathroom Appearance: clear, nonfibrous, homogenous Layer: of 4 4 Asbestos Present: NO 95653 - 14 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 4BMaterial: 12x12 Floor Tile-Pink Location: Lower Bathroom Appearance: pink,nonfibrous,homogenous Layer: 1 of 4 Lab ID #: 95653 - 14a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4BMaterial: Glue Location: Lower Bathroom Appearance: clear, nonfibrous, homogenous Layer: 2 of 4

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 14b Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4RMaterial: 12x12 Floor Tile-White Location: Lower Bathroom Appearance: white, nonfibrous, homogenous Layer: of 3 4 Asbestos Present: NO 95653 - 14c Other - 100% Lab ID #: Cust. #: No Asbestos Observed 4BMaterial: Glue Location: Lower Bathroom Appearance: clear, nonfibrous, homogenous Layer: 4 of 4 Lab ID #: 95653 - 15 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 5A Material: 12x12 Floor Tile-Beige/Brown Location: Upper Kitchen Appearance: beige, nonfibrous, homogenous Layer: 1 of 4

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 15a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 5A Material: Glue Location: Upper Kitchen Appearance: clear, nonfibrous, homogenous Layer: of 4 2 Asbestos Present: NO 95653 - 15b Other - 100% Lab ID #: Cust. #: No Asbestos Observed 5A Material: Floor Tile Location: Upper Kitchen Appearance: blue,nonfibrous,homogenous Layer: 3 of 4 Lab ID #: 95653 - 15c Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 5A Material: Mastic Location: Upper Kitchen Appearance: brown,nonfibrous,homogenous Layer: 4 of 4

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 16 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 5B Material: 12x12 Floor Tile-Beige/Brown Location: Upper Kitchen Appearance: beige, nonfibrous, homogenous Layer: of 4 1 Asbestos Present: NO 95653 - 16a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 5BMaterial: Glue Location: Upper Kitchen Appearance: clear, nonfibrous, homogenous Layer: 2 of 4 Lab ID #: 95653 - 16b Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 5BFloor Tile Material: Location: Upper Kitchen Appearance: blue,nonfibrous,homogenous Layer: 3 of 4

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:

PA





21-95653

ARI Report #

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Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Date Reported: Brighton, MI 48116 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material 95653 - 16c Lab ID #: Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 5B Material: Mastic Location: Upper Kitchen Appearance: brown,nonfibrous,homogenous Layer: of 4 4 Asbestos Present: NO 95653 - 17 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 6A Material: 12x12 FT-Beige/Brown w/Blue Flowers Location: Upper Bath Appearance: beige, nonfibrous, homogenous of Layer: 1 3 95653 - 17a Lab ID #: Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 6A Material: Glue Location: Upper Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 3

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material 95653 - 17b Lab ID #: Asbestos Present: NO Cellulose - 25% Cust. #: No Asbestos Observed Other - 75% 6A Material: Felt Upper Bath Location: Appearance: black,fibrous,nonhomogenous Layer: of 3 3 Asbestos Present: NO 95653 - 18 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 6B 12x12 FT-Beige/Brown w/Blue Flowers Material: Location: Upper Bath Appearance: beige, nonfibrous, homogenous of Layer: 1 3 Lab ID #: 95653 - 18a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 6B Material: Glue Location: Upper Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 3

For Layered Samples, each component will be analyzed and reported separately.

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ARI Report # 21-95653



Report To:

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:08/12/21Date Received:08/13/21Date Analyzed:08/17/21Date Reported:08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 95653 - 18b Cust. #: 6B Material: Felt Location: Upper Bath Appearance: black,fibrous,nonhomogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 25% Other - 75%
Lab ID #: 95653 - 19 Cust. #: 7A Material: Textured Paint-White Popcorn Location: NW Upper Bedroom-East Wall Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Vermiculite - 15% Other - 85%
Lab ID #: 95653 - 20 Cust. #: 7B Material: Textured Paint-White Popcorn Location: NW Upper Bedroom-East Wall Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Vermiculite - 15% Other - 85%

Project : Islandview Village 2419-2421 Beals Project # :2-11759

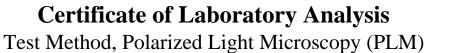
For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Date Reported: Brighton, MI 48116 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 21 Asbestos Present: NO Vermiculite - 15% Cust. #: No Asbestos Observed Other - 85% 7C Material: Textured Paint-White Popcorn Location: NW Upper Bedroom-West Wall Appearance: white, fibrous, homogenous Layer: of 1 1 Asbestos Present: NO 95653 - 22 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 8A Material: Window Glaze - Off-White Location: Upper Window Appearance: beige, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 95653 - 23 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 8**B** Window Glaze - Off-White Material: Location: Upper Window Appearance: beige, nonfibrous, homogenous Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.





21-95653

ARI Report #

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NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Date Reported: Brighton, MI 48116 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 24 Asbestos Present: NO Cellulose - 2% Cust. #: No Asbestos Observed Other - 98% 9A Material: Stair Tread-Black Location: Upper Stairs Appearance: black,fibrous,homogenous Layer: of 1 1 Asbestos Present: NO 95653 - 25 Cellulose - 2% Lab ID #: Cust. #: No Asbestos Observed Other - 98% 9B Stair Tread-Black Material: Location: Upper Stairs Appearance: black,fibrous,homogenous Layer: 1 of 1 Lab ID #: 95653 - 26 Asbestos Present: NO Cellulose - 20% No Asbestos Observed Other - 80% Cust. #: 10A Material: Roofing-Black, White & Green Shingles Location: Roof Appearance: black,fibrous,nonhomogenous Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Report To:



NVLAP Lab Code 102118-0

Report To:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Date Collected: Mr. David Amir 08/12/21 ASTI Environmental Date Received: 08/13/21 10448 Citation Dr., Suite 100 Date Analyzed: 08/17/21 Brighton, MI 48116 Date Reported: 08/17/21 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 95653 - 27 Asbestos Present: NO Cellulose - 25% Cust. #: No Asbestos Observed Other - 75% 10B Material: Roofing-Black, White & Green Shingles Location: Roof Appearance: black,fibrous,nonhomogenous Layer: of 1 Asbestos Present: NO Wollastonite - 10% Lab ID #: 95653 - 28 Cust. #: No Asbestos Observed Other - 90% 11A Material: Textured Paint-Roll On-White Location: Living Room Ceiling Appearance: white, fibrous, homogenous Layer: 1 of 1 Lab ID #: 95653 - 29 Asbestos Present: NO Wollastonite - 10% No Asbestos Observed Other - 90% Cust. #: 11B Material: Textured Paint-Roll On-White Location: Living Room Ceiling Appearance: white, fibrous, homogenous Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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21-95653

ARI Report #



APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report # 21-95653 Date Collected: 08/12/21 Date Received: 08/13/21 Date Analyzed: 08/17/21 Date Reported: 08/17/21
Sample Information	Asbestos Type/Percent	Non-Asbestos Materia
Lab ID #: 95653 - 30 Cust. #: 11C Material: Textured Paint-Roll On- White Location: Living Room Ceiling Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Wollastonite - 10% Other - 90%
Lab ID #: 95653 - 31 Cust. #: 12A Material: Brick Mortar-Grey Location: East Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 95653 - 32 Cust. #: 12 Material: Brick Mortar-Grey	Asbestos Present: NO No Asbestos Observed	Other - 100%

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : Islandview Village 2419-2421 Beals Project # :2-11759

Robert T. Letarte Jr., Laboratory Director

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Layer:

Location: East Side

1

of 1

Appearance: grey, nonfibrous, homogenous

For Layered Samples, each component will be analyzed and reported separately.

NVLAP Lab Code 102118-0

Apex #

Relinquished By: Date: <u>&/(3/1)</u> Revision R4 Date: May/2017													Lab ID	logged in next morning	Other: Samples received after 3pm	48 hour	Rush	I urn Around II	Phone: 810	City, St., Zip:	Address: /0	Customer Name:		2000	07072
	44	X Ŗ	48	7 4	7 ß	74	63	6A	SR	54	5P	4A	Customer ID #		om (Test Till Positive)	12 hour	24 hour	me: (circle one)	0082-522-018	Snighton MZ	10448 Citation	ame: <u>ASTI</u>	11054 Hi Te	N	Page
Received By: AUG 1 3 2021 Relinquished By: Received By: Time/Date: APEX RESEARCH Pate: Time/Date:	Stair frend REDIENVED upper States	4		test		Textual Paint - White Popcorn - NW upper badroom - Aust will	1 11 11	12x12 Floor file - Reinst Brown w/ Bloc flores - DODER Bath	11 11	12×12 Flow file Brigg & Brown - upper Kitchen	11	12x12 Flow File - Pink & White - Lower Bathroom	Material/Location Volume Area Results	TEM: Bulk/NOB NIOSH 7402 EPA Level II Other)/ no Mold: Bulk Air/Zefon/AlergencoD BioSIS Tape	Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO Air Paint Bulk	Asbestos: Bulk X Wipe Point Count PCM	'e type	Email: damir @ ast: - env. com Schuttemne asti-owice	48116 Contact Person: Dave Amir	+ 2-11759	7419-74121 Beek	11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	APEX Research, Inc.	

Apex #

Bulk Wipe Wipe ASTM E1792? dirde YES or NO	Bulk Air/Zefon/AlergencoD Bulk/NOB NIOSH 7402 ocation Volume A	Bulk Air/Zefon/AlergencoD Bulk/NOB NIOSH 7402 ocation Volume A - upper St.:15 J Green Shim hr - Roof	Mold: Bulk Air/Zefon/AlergencoD TEM: Bulk/NOB NIOSH 7402 Material/Location Volume A e.l Bluch - upper Stirs Bluch, whith I Green Shinghs - Roof Ir	Mold: Bulk Air/Zefon/AlergencoD TEM: Bulk/NOB NIOSH 7402 Material/Location Volume A trend - Blanc upper Strist Volume A Blanc whith I Green Shinghs - Roof I Cool on - Living rooth Certain - wh	Mold: Bulk Air/Zefon/AlergencoD TEM: Bulk/NOB NIOSH 7402 Material/Location Volume A trent - Black - upper Stris - Black, whith I Green Shinghs - Roof I Print - Rool on - Living room Cerling - wh	Mold: Bulk Air/Zefon/AlergencoD TEM: Bulk/NOB NIOSH 7402 Material/Location Volume A trent - Black - upper Stris - Black, whith I Green Shinghs - Roof I Print - Rool on - Living room Cerling - wh	Mold: Bulk Air/Zefon/AlergencoD TEM: Bulk/NOB NIOSH 7402 Material/Location Volume A trent - Black - upper Stris - Black, whith I Green Shinghs - Roof - Black, whith I Green Shinghs - Roof I Print - Rool on - Living room Cerling - whith Months - Grag - Est Sinh	Mold: Bulk Air/Zefon/AlergencoD TEM: Bulk/NOB NIOSH 7402 Material/Location Volume A trend - Blance upper Stris - Blance, whith I Green Shingths - Roof I' J Print - Roof on - Living room Ceiling - whith Which - Grang - Est Sinh	Mold: Bulk Air/Zefon/AlergencoD TEM: Bulk/NOB NIOSH 7402 Material/Location Volume A trent - Rhink - Upper Strift Volume A - Bhink, whith I Grien Shinghes - Roof I - Bhink, whith I Grien Shinghes - Roof I I Rist - Rool on - Living rooun Cerling which I Which - Gring - Est Side I I Munther - Gring - Est Side I I	Mold: Bulk Air/Zefon/AlergencoD TEM: Bulk/NOB NIOSH 7402 Material/Location Volume A trent - Blank - which - which - which - which - which - Volume A Blank, which - Gram - Living rooth Ceithing - which I Paint - Gram - Living rooth Ceithing - which Month, - Gram - Est Sinh - which I Paint - Gram - Est Sinh - which	Mold: Bulk Air/Zefon/AlergencoD TEM: Bulk/NOB NIOSH 7402 Material/Location Volume A trend - Black - upper Strict - Black, whith I Grim Shimghed - Roof U J Right - Rool on - Living rooth Ceithing - whith Which - Grimy - Est Side U RECEIVED	Mold: Bulk Air/Zefon/AlergencoD TEM: Bulk/NOB NIOSH 7402 EP Material/Location Volume Are trand - iRhin - upper Shirts - Roof Are Black, which & Green Shiring his - Roof Are $I_1 - Rict - Roof on - Living rooth Cerling - white I_2 - Rict - Grag - East Sink - white I_1 - Grag - East Sink - Roof - white I_1 - Grag - East Sink - Hold - Ho$
Wipe	ASTM E1792? circle YES or NO Air Air/Zefon/AlergencoD NOB NIOSH 7402 NOB Volume Vc/	ASTM E1792? circle YES or NO Air Air/Zefon/AlergencoD NOB NIOSH 7402 EPA Lev NOB Volume Area Mc Shin, h.s Roof	ASTM E1792? circle YES or NO Air Air/Zefon/AlergencoD NOB NIOSH 7402 EPA Lev NOB Volume Area Air, Shin, h.S Roof Roof	ASTM E1792? circle YES or NO Air Air/Zefon/AlergencoD NOB NIOSH 7402 EPA Lev NOB Volume Area Air, Shinghas - Roof Roof Livny rooth Certhey - white	ASTM E1792? circle YES or NO Air Air/Zefon/AlergencoD NOB NIOSH 7402 EPA Lev NOB Volume Area Air, J Volume Area Area Los f Los f 	ASTM E1792? circle YES or NO Air 	ASTM E1792? circle YES or NO	ASTM E1792? circle YES or NO	ASTM E1792? circle YES or NO	ASTM E1792? circle YES or NO	ASTM E1792? circle YES or NO	ASTM E1792? circle YES or NO
	Bluck - upper	Black - upper Stairs	Black - upper Stairs , white I Green Shingher - 1	- Blance - upper Stairs 2, white & Green Shinghes - Roof 11 - Rool on - Living rook Certag	- Blance - upper Stairs 2, white & Green Shinghes - Roof 11 - Rool on - Living room Certany -	- Blance - upper Stairs 2, white & Green Shinghes - Roof 11 - Rool on - Living room Certay	- Rool on - Living rook Certage	- izhuk - upper Strist 2, whith I Green Shinghes - Roof 11 - Rool on - Living rook Certhang - Grang - East Side 11	- Bhix - upper Stris , whith I Green Shinghs - Roof , in - Rool on - Living rook Certhag - Gray - Est Side tr	- Blux - upper Strist , whith I Grinn Shinghs - Roof - Rool on - Living rook Certhy - Gring - Est Sich - Gring - Est Sich Ir Ir	- Bhuk - upper Strist whith I Green Shinghes - Roof - Rool on - Living rook Certhy - Gray - Est Sich - Gray - Est Sich - Ir	- RECEIVED AUG 23 2021
Volume		white I Green Shingher - 1	, which I Green Shinghs - i	2, whith I Green Shinghes - Roof 11 - Rool on - Living rook Certag	2, whith I Green Shinghes - Roof 11 - Roof on - Living room Certany -	2, whith I Green Shinghes - Roof 11 - Roof on - Living room Cesting	- Grang - Est Sich	- Rool on - Living room Certing - - Rool on - Living room Certing - - Gring - Ewst Sich	- Rool on - Living room Certag - Rool on - Living room Certag - Grang - Est Side	- Real on - Living rook Certing - - Real on - Living rook Certing - - Gring - Est Sich ti	- Real on - Living rook Ceiting - - Raal on - Living rook Ceiting - - Gring - Est Sich J	- RECEIVED AUR # 2021

Apex #

Appendix C

Photos



PHOTO LOG 2419 & 2421 Beals Street, Detroit, Michigan

	Photo 1. View of 2419-2421 Beals Street front
<image/>	Photo 2. View of 2419-2423 Beals Street south side
	Photo 3. View of 2419-2423 Beals Street north side

ASTI Project No. 2-11759 August 12, 2021 Photographed By Jelaine Tinsley



PHOTO LOG 2419 & 2421 Beals Street, Detroit, Michigan

Photo 4. View of Asbestos- containing duct wrap
Photo 5. View of Asbestos- containing duct wrap on the ground



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- DEVELOPMENT INCENTIVES AND GRANT MANAGEMENT
- ECOLOGICAL ASSESSMENTS AND RESTORATION
- ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS
- ENVIRONMENTAL OPPORTUNITIES ASSESSMENT
- GIS MAPPING
- HAZARD MITIGATION PLANNING
- MINING AND RECLAMATION ASSISTANCE
- REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE
- PHASE I ESA AND ENVIRONMENTAL DUE DILIGENCE ASSESSMENTS
- REGULATORY COMPLIANCE AND PERMITTING
- SOIL AND GROUNDWATER ASSESSMENTS
- SOIL AND GROUNDWATER REMEDIATION
- STORAGE TANK COMPLIANCE AND CLOSURE
- THREATENED AND ENDANGERED SPECIES SURVEYS
- WATERSHED AND STORMWATER MANAGEMENT PROGRAMS
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