

Appendix

Appendix F Asbestos, Lead, and Hazmat Survey

Appendix

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A-Tech Consulting, Inc.

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COMPREHENSIVE ASBESTOS, XRF-LEAD AND HAZMAT SURVEY

Christ's Church of the Valley

7576 Etiwanda Avenue, Nursery Building and Patio, Storage

City of Etiwanda
County of San Bernardino
State of California

Project Number: Atch-180926

August 27, 2018

PREPARED FOR:

Christ's Church of the Valley

PRIVILEGED & CONFIDENTIAL

This report is intended for the sole use of Christ's Church of the Valley. The use or re-use of this document or the findings, conclusion or recommendations presented therein, by any other party or parties are at the sole risk of said user.

Cover

ASBESTOS

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Atch-180926
Comprehensive Asbestos Survey
7576 Etiwanda Avenue
Etiwanda, California 91739

August 27, 2018

Christ's Church of the Valley
7576 Etiwanda Avenue
Etiwanda, California 91739

Attn: Mr. Greg Linzay

Re: Christ's Church of the Valley
7576 Etiwanda Avenue, Nursery Building and Patio, Storage
Etiwanda, California 91739

Pursuant to your request, A-Tech Consulting, Inc. (A-Tech) has completed a Comprehensive Asbestos Survey of the Nursery Building and the Patio, Storage of Christ's Church of the Valley, located at 7576 Etiwanda Avenue in Etiwanda, California. The following report summarizes the findings of this inspection.

1.0 INTRODUCTION

A-Tech was contacted by Mr. Greg Linzay with Christ's Church of the Valley to confirm the presence or absence of asbestos in the Nursery Building and the Patio, Storage of Christ's Church of the Valley, located at 7576 Etiwanda Avenue (subject property), in Etiwanda, California. The survey was conducted by Louis Jimenez - CSST #15-5536 with A-Tech on August 13 and 14, 2018.

2.0 SCOPE OF SURVEY

The comprehensive asbestos survey was performed to identify visible and/or readily accessible suspect friable and non-friable Asbestos Containing Building Materials (ACBMs) at a subject property. The intent of this survey was to satisfy all regulatory requirements for renovation and/or demolition. Friable ACM, as defined by the U.S. Environmental Protection Agency (EPA) and South Coast Air Quality Management District (SCAQMD), Rule 1403, is a material that, when dry, can be easily pulverized, crushed or reduced to powder by hand pressure. Non-friable ACBM that can potentially be broken, crumbled, pulverized or reduced to powder in the course of demolition or renovation activities are classified as Class I or Class II, non-friable ACBM. These surveys are typically accomplished by, and limited to, an in-depth site reconnaissance, a review of readily available building records, and a review of readily available asbestos operation and maintenance (O&M) plans. In the event that suspected or known ACBMs exist at a given site, samples of the potential ACBMs may be collected for subsequent laboratory analysis.

In the event that suspected or known ACBMs exist at a given site, samples of the potential ACBMs may be collected for subsequent laboratory analysis.

This Comprehensive Asbestos Survey was conducted in accordance with the scope of services authorized by Mr. Greg Linzay with Christ's Church of the Valley in accordance with current regulatory guidelines.

3.0 PREVIOUS SURVEY/HISTORICAL DATA

A previous limited asbestos survey has been conducted by A-Tech Consulting, Inc. at the subject property; however, not for the specific areas and/or materials included in this survey (Refer to project Atch-171057 for further details).

4.0 VISUAL INSPECTION AND SAMPLING/ANALYTICAL METHODOLOGY

To identify suspect friable and non-friable ACBM, as required under California law, a California Occupational Safety Health Administration (CAL-OSHA), Certified Site Surveillance Technicians (CSST) and/or Certified Asbestos Consultant (CAC) is required to conduct visual and/or bulk surveys of a subject property.

During this survey, A-Tech identified homogenous areas of suspected ACBMs for purpose of sampling in accordance with current CAL-OSHA/EPA (AHERA) requirements. These areas were defined with respect to similarities in appearance, age, use, type, color, and/or texture. The condition and estimated quantity of the suspected materials were also assessed. Based upon A-Tech's observations, eleven (11) homogeneous suspect asbestos containing building materials were identified. Please refer to Appendix A for a complete list of sampled materials.

To evaluate the presence of asbestos in these suspected ACBMs, A-Tech obtained forty-two (42) bulk samples, which appeared to represent each homogeneous area. However, some of the samples analyzed may have multiple layers of material, which the laboratory is required to separate and analyze independently. The total amount of samples analyzed was ninety-one (91). Regarding multiple layered materials, if one layer tests positive for asbestos content, the entire sample is considered positive.

Note: The Shingle Roof consists of 1 system and 2 layers.

Amended water-spray wet methods were used during the collection of each friable sample, such as suspended ceiling tiles. For buildings to be demolished, A-Tech conducts destructive sampling. All sampling was conducted down to stud/joist level. After collecting each sample, the sampling equipment was cleaned with a moist towelette. Each sample was sealed in a sample container and assigned a discrete sample identification number.

Materials containing greater than one-tenth of one percent ($>0.1\%$) asbestos by weight is considered positive in this report and defined as asbestos containing construction material (ACCM), and anything $>1\%$ is an asbestos containing material.

4.1 UNIVERSAL WASTE (UW) & HAZARDOUS MATERIALS (HM) INSPECTION

A visual hazardous materials assessment was conducted at this site for components containing Polychlorinated Biphenyls (PCBs), Mercury and other suspect visible hazardous materials. The following report summarizes the findings:

<u>Findings</u>	<u>Locations</u>	<u>Quantities</u>
4' Mercury Bulbs	Nursery Building, Exterior and Patio, Storage	Four (4) EA at Nursery Building, Exterior Two (2) EA at Patio, Storage
Freon and R-410A Containing HVAC Units	Nursery Building, Exterior	Two (2) HVAC Units

The light bulbs were inspected and approximately six (6) mercury-containing 4' light bulbs were present and were observed at the Exterior of the Nursery Building and the Patio, Storage. These bulbs should be properly recycled prior to demolition. At the time of the inspection, a total of two (2) Refrigerant 410A-containing HVAC Units were observed at the Exterior of the Nursery Building. This refrigerant gas is deemed to cause damage to the environment and more specifically, the ozone layer. The gases in the unit should be evacuated by a Certified Technician and/or Licensed Company, prior to demolition.

5.0 LABORATORY ACCREDITATION & ANALYTICAL PROCEDURES

The forty-two (42) samples obtained from the subject property were delivered to Aerobiology Laboratory Associates, Inc. of Huntington Beach, California (714) 895-8401 (under chain-of-custody procedures) for analysis. This laboratory is fully accredited laboratory by the National Institute of Standards and Technology (NIST) through participation in the National Voluntary Laboratory Accreditation Program (NVLAP) lab code #201076-0.

The samples were analyzed for asbestos by PLM, using dispersion staining in accordance with U.S. EPA Procedures outlined in 40 CFR 763, Subpart F, Appendix A (AHERA). Utilizing the PLM 600R/R-93/116 method, the result given is a semi-quantitative result (down to <1%) which reflects a calibrated visual estimate from an analyst using both Polarized Light Microscopy and Stereomicroscopy.

6.0 ASBESTOS IDENTIFICATION

Based upon the analytical results, asbestos is not present in the materials analyzed.

7.0 RECOMMENDATIONS

No recommendations are made at this time for the areas and materials sampled.

8.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations at the site and laboratory analysis of the tested samples. They are intended exclusively for the purpose outlined herein, and for the site location and project indicated.

This survey report is not specifications for asbestos abatement and it should not be used as a stand-alone asbestos abatement bid document. Recognizing that even the most comprehensive survey may fail to detect ACMs at a particular site, this study was not intended to identify all potential ACMs present in the building or at the site for such reasons as the possible existence of buried, covered and inaccessible areas and features.

A-Tech does not warrant that all sub-surface, wall cavity or other inaccessible materials were tested. A-Tech did not test any live electrical components or disassemble operational building equipment such as fans or HVAC components. These components may contain untested suspect ACMs. If any suspect ACMs not tested herein are discovered, they must be tested prior to impact.

Samples were collected from materials of similar appearance, age, use, type, color and/or texture. However, this does not guarantee that they are of the same composition. No guarantee is expressed or implied that all ACMs have been identified.

Services performed by A-Tech were conducted in a manner above the care and skill ordinarily and currently exercised by members of the same profession that even the most comprehensive scope of services might fail to detect environmental liabilities on a particular site. Therefore, A-Tech cannot act as insurers and cannot "certify" that a site is free of environmental contamination.

No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by the Scope of Services, with the customary thoroughness and competence of our profession.

This report is intended for the sole use of the contracted Client and its authorized representatives. The exchange of information was unique between A-Tech and the client regarding the mutually agreed upon scope of service. Unless explicitly authorized in this report, no third party is beneficiary to the contract or findings of this report. The unauthorized use or reliance of this document or the findings, conclusion or recommendations presented herein, by any other party or parties is at the sole risk of any such third party. For the same reasons, no warranties or representations, expressed or implied in this report, are provided to any such third party.

Information and opinions presented herein apply to the existing and reasonable foreseeable site conditions at the time of our investigation. They cannot necessarily apply to site changes of which this office is unaware and have not had the opportunity to review. Changes in the conditions of this property may occur with time due to natural processes or works of man on the subject property or on adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part by changes beyond our control.

A-Tech trusts that the information presented herein provides the data you require. Should you have any questions or comments please contact A-Tech Consulting, Inc. at (800) 434-1025.

Respectfully submitted,
A-Tech Consulting, Inc.

A handwritten signature in dark ink, appearing to read "Robert L. Williams", is written over a light gray rectangular background.

Robert L. Williams, DPH, CAC, CIEC
Certified Asbestos Consultant #96-1980

Asbestos Bulk Analysis

Client Name: Christ's Church of the Valley

A-Tech Project Number: 180926

Location: Christ's Church of the Valley, 7576 Etiwanda Avenue, Nursery Building and Patio, Storage

<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
180926-A-0001	Composite Drywall	Nursery, Lobby	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0002	Composite Drywall	Nursery, Corridor	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0003	Composite Drywall	Nursery, Kitchenette 2	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0004	Composite Drywall	Nursery, Kitchenette 1	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0005	Composite Drywall	Nursery, Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0006	Composite Drywall	Nursery, Toddler Room 1	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0007	Composite Drywall	Nursery, Infant Room 1	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0008	4" Gray Cove Base/Cove Base Mastic	Nursery, Lobby	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0009	4" Gray Cove Base/Cove Base Mastic	Nursery, Corridor	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0010	4" Gray Cove Base/Cove Base Mastic	Nursery, Administration	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0011	4" Gray Cove Base/Cove Base Mastic	Nursery, Kitchenette 2	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0012	4"x48" Brown Wood Resilient Flooring/Resilient Floor Mastic	Nursery, Lobby	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0013	4"x48" Brown Wood Resilient Flooring/Resilient Floor Mastic	Nursery, Lobby	Negative	None Detected	N/A	N/A	N/A	N/A	N/A

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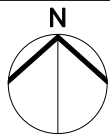
<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
180926-A-0014	4"x48" Brown Wood Resilient Flooring/Resilient Floor Mastic	Nursery, Lobby	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0015	12"x12" Tan Streaked Resilient Flooring/Resilient Floor Mastic	Nursery, Kitchenette 2	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0016	12"x12" Tan Streaked Resilient Flooring/Resilient Floor Mastic	Nursery, Corridor	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0017	12"x12" Tan Streaked Resilient Flooring/Resilient Floor Mastic	Nursery, Toddler Room 1	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0018	12"x12" Tan Streaked Resilient Flooring/Resilient Floor Mastic	Nursery, Table Time	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0019	12"x12" Tan Streaked Resilient Flooring/Resilient Floor Mastic	Nursery, Kitchenette 1	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0020	FRP Panel Glue Type 1	Nursery, Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0021	FRP Panel Glue Type 1	Nursery, Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0022	FRP Panel Glue Type 1	Nursery, Toddler Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0023	Light Tan Patterned Linoleum Flooring	Nursery, Toddler Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0024	Light Tan Patterned Linoleum Flooring	Nursery, Toddler Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0025	Light Tan Patterned Linoleum Flooring	Nursery, Restroom	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0026	Carpet Glue	Nursery, Infant Room 1	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0027	Carpet Glue	Nursery, Infant Room 2	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0028	Carpet Glue	Nursery, Infant Room 2	Negative	None Detected	N/A	N/A	N/A	N/A	N/A

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<u>Sample Number</u>	<u>Material</u>	<u>Sample Locations</u>	<u>Pos/Neg</u>	<u>Asbestos Type - Percentage</u>	<u>Classification</u>	<u>Friability</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
180926-A-0029	Carpet Glue	Nursery, Administration	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0030	Carpet Glue	Nursery, Administration	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0031	Sink Undercoating	Nursery, Kitchenette 2	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0032	Shingle Roof	Nursery, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0033	Shingle Roof	Nursery, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0034	Shingle Roof	Nursery, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0035	Shingle Roof	Nursery, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0036	Shingle Roof	Nursery, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0037	Mastic	Nursery, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0038	Mastic	Nursery, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0039	Mastic	Nursery, Roof	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0040	FRP Panel Glue Type 2	Patio, Storage	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0041	FRP Panel Glue Type 2	Patio, Storage	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
180926-A-0042	FRP Panel Glue Type 2	Patio, Storage	Negative	None Detected	N/A	N/A	N/A	N/A	N/A

LEGEND:

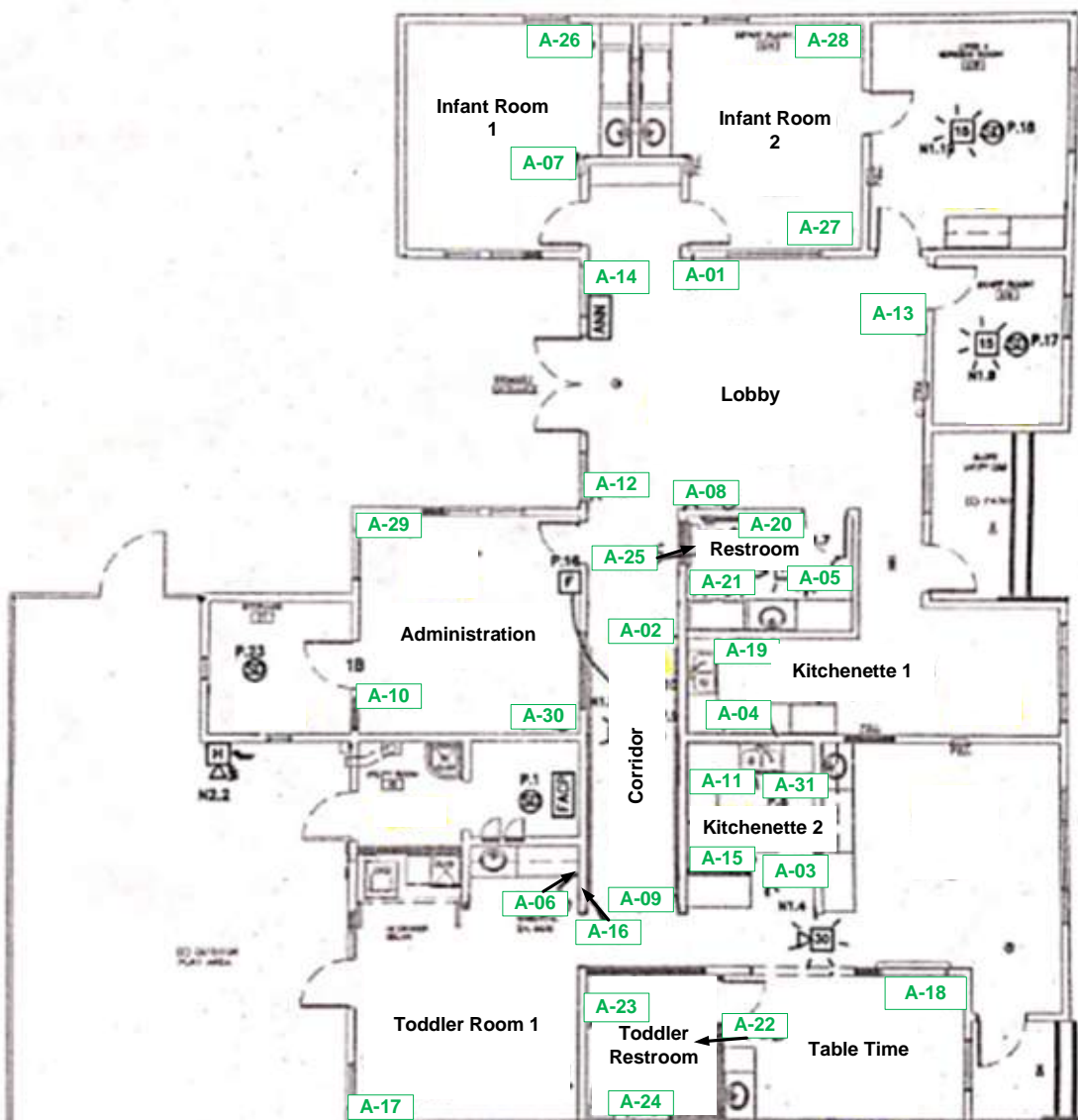
N/A: Not Applicable



Not to Scale



A-Tech Consulting, Inc.



Nursery Building

Legend:

A = Positive Asbestos Sample Locations

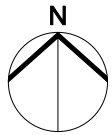
A = Negative Asbestos Sample Locations

Site Drawing – Asbestos – Page 1 of 3

Christ's Church of the Valley
7576 Etiwanda Avenue
Etiwanda, California 91739

Project #: Atch-180926

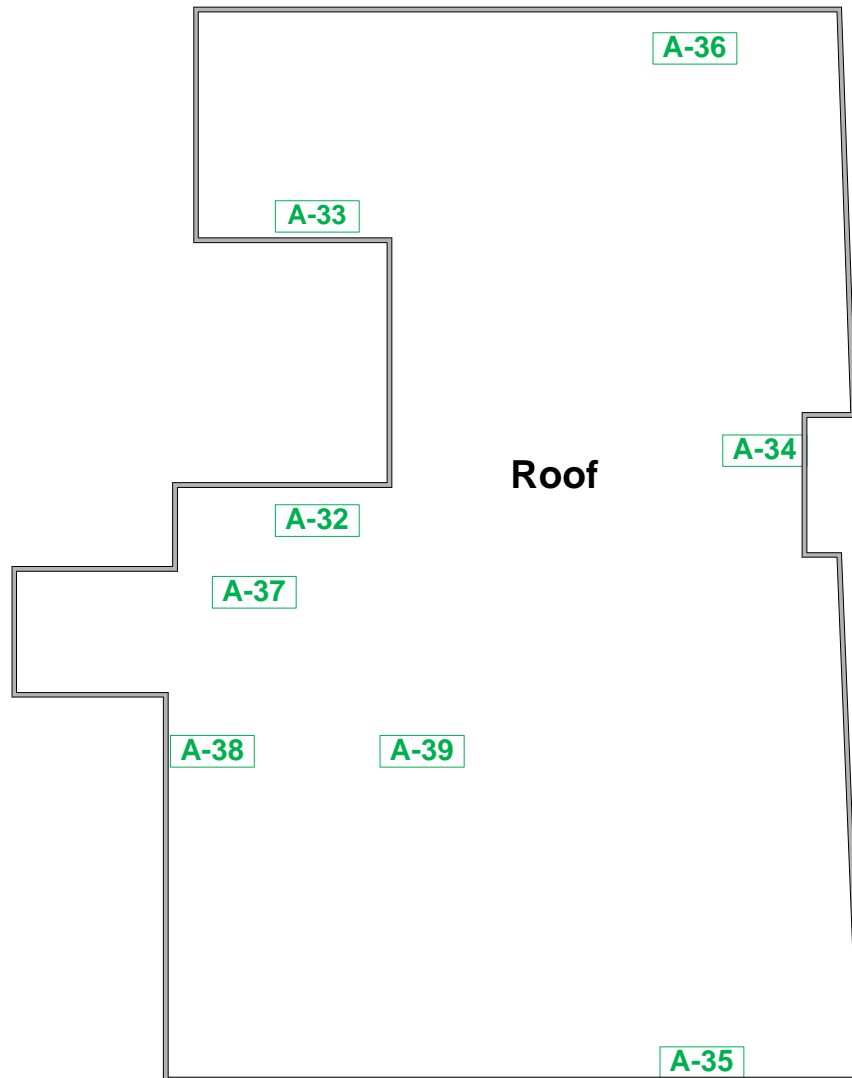
Christ's Church of the Valley



Not to Scale



A-Tech Consulting, Inc.



Nursery, Roof

Legend:

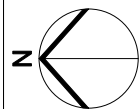
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations

Site Drawing – Asbestos – Page 2 of 3

Christ's Church of the Valley
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Project #: Atch-180926

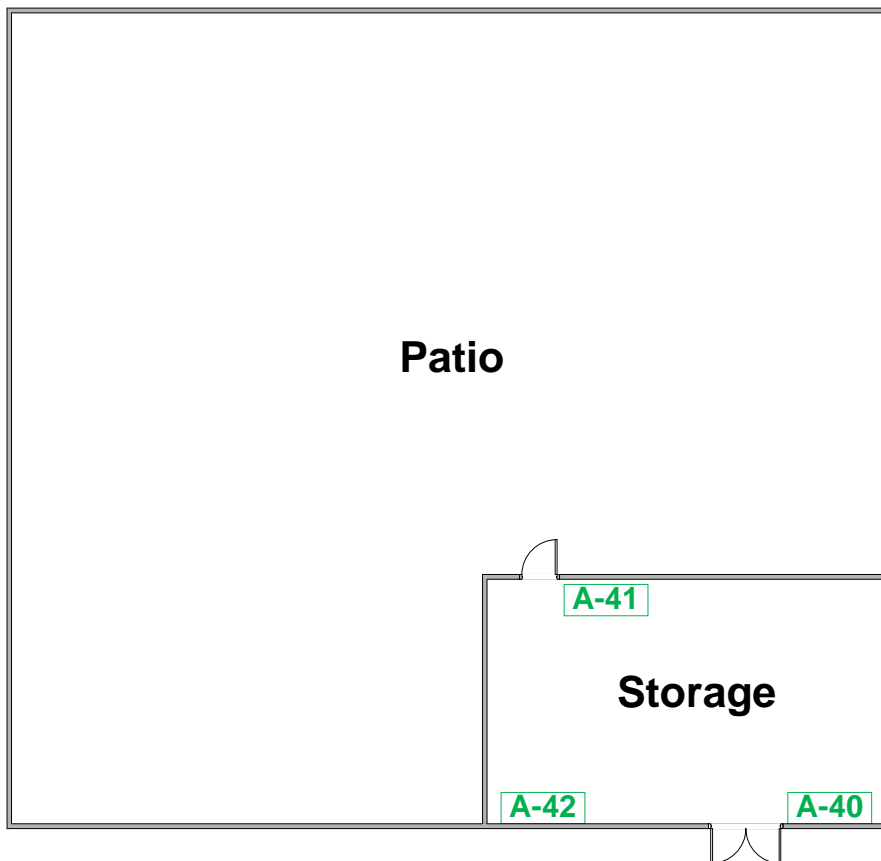
Christ's Church of the Valley



Not to Scale



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Legend:

A = Positive Asbestos Sample Locations

A = Negative Asbestos Sample Locations

Site Drawing – Asbestos – Page 3 of 3

Christ's Church of the Valley
7576 Etiwanda Avenue,
Etiwanda, California 91739

Project #: Atch-180926

Christ's Church of the Valley

A-Tech Consulting, Inc.
1748 W Katella Ave
Orange, California 92867
Attn: Robert Williams
Project: **7576 Etiwanda Ave. #180926**
Condition of Sample(s) Upon Receipt: Acceptable



Date Collected: 08/14/2018
Date Received: 08/15/2018
Date Analyzed: 08/16/2018
Date Reported: 08/16/2018
Project ID: 18029123
Page 1 of 10

Test Requested: **PLM Bulk Count (EPA Method 600/R93/116)** Method: Polarized Light Microscopy (PLM), Interim Method for Asbestos in Bulk Insulation: EPA 600/M4-82-020. Method for Asbestos in Bulk Building Material: EPA 600/R-93/116

Lab Sample #	Client Sample # / Location	Physical Description of Sample	Homogeneous	Layer %	Asb.	Asb. %	Non-asb. Fiber %	Non-fibrous mat %	Matrix
18029123-001	A-01	White Drywall	Y	30	ND		10 CELL, 2 FBG	88	G
18029123-001	A-01	White Joint Compound	Y	70	ND			100	C
18029123-002	A-02	White Drywall	Y	10	ND		10 CELL, 2 FBG	88	G
18029123-002	A-02	White Joint Compound	Y	90	ND			100	C
18029123-003	A-03	White Drywall	Y	40	ND		10 CELL, 2 FBG	88	G
18029123-003	A-03	White Joint Compound	Y	60	ND			100	C



Miguel Ines
Laboratory Analyst



Miguel Ines
Asbestos Laboratory Supervisor

A = Amosite
AC = Actinolite
AN = Anthophyllite
CHRY = Chrysotile
CR = Crocidolite
TR = Tremolite
ND = None Detected
Trace = Less Than 1%

CELL = Cellulose
MW = Mineral Wool
FBG = Fiberglass
SYN = Synthetic
WO = Wollastonite
NTR = Non-Asbestiform TR
NAC = Non-Asbestiform AC
FT = Fibrous Talc
AH = Animal Hair

Q = Quartz
C = Carbonates
V = Vermiculite
G = Gypsum
M = Mica
T = Tar
P = Perlite
O = Organic
B = Binder
OP = Opaques
D = Diatoms

A-Tech Consulting, Inc.
1748 W Katella Ave
Orange, California 92867
Attn: Robert Williams
Project: **7576 Etiwanda Ave. #180926**
Condition of Sample(s) Upon Receipt: Acceptable



Date Collected: 08/14/2018
Date Received: 08/15/2018
Date Analyzed: 08/16/2018
Date Reported: 08/16/2018
Project ID: 18029123
Page 2 of 10

18029123-004	A-04	White Drywall	Y	40	ND		10 CELL, 2 FBG	88	G
18029123-004	A-04	White Joint Compound	Y	60	ND			100	C
18029123-005	A-05	White Drywall	Y	30	ND		10 CELL, 2 FBG	88	G
18029123-005	A-05	White Joint Compound	Y	70	ND			100	C
18029123-006	A-06	White Drywall	Y	30	ND		10 CELL, 2 FBG	88	G
18029123-006	A-06	White Joint Compound	Y	70	ND			100	C
18029123-007	A-07	White Drywall	Y	30	ND		10 CELL, 2 FBG	88	G
18029123-007	A-07	White Joint Compound	Y	70	ND			100	C
18029123-008	A-08	Gray Rubbery Material	Y	85	ND			100	B



Miguel Ines
Laboratory Analyst



Miguel Ines
Asbestos Laboratory Supervisor

A = Amosite
AC = Actinolite
AN = Anthophyllite
CHRY = Chrysotile
CR = Crocidolite
TR = Tremolite
ND = None Detected
Trace = Less Than 1%

CELL = Cellulose
MW = Mineral Wool
FBG = Fiberglass
SYN = Synthetic
WO = Wollastonite
NTR = Non-Asbestiform TR
NAC = Non-Asbestiform AC
FT = Fibrous Talc
AH = Animal Hair

Q = Quartz
C = Carbonates
V = Vermiculite
G = Gypsum
M = Mica
T = Tar
P = Perlite
O = Organic
B = Binder
OP = Opaques
D = Diatoms

A-Tech Consulting, Inc.
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Attn: Robert Williams
Project: **7576 Etiwanda Ave. #180926**
Condition of Sample(s) Upon Receipt: Acceptable



Date Collected: 08/14/2018
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Date Reported: 08/16/2018
Project ID: 18029123
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18029123-008	A-08	Clear Mastic	Y	10	ND			100	T
18029123-008	A-08	White Texture	Y	5	ND			100	C
18029123-009	A-09	Gray Rubbery Material	Y	85	ND			100	B
18029123-009	A-09	Clear Mastic	Y	10	ND			100	T
18029123-009	A-09	White Texture	Y	5	ND			100	C
18029123-010	A-10	Gray Rubbery Material	Y	85	ND			100	B
18029123-010	A-10	Clear Mastic	Y	10	ND			100	T
18029123-010	A-10	White Texture	Y	5	ND			100	C
18029123-011	A-11	Gray Rubbery Material	Y	85	ND			100	B
18029123-011	A-11	Clear Mastic	Y	10	ND			100	T
18029123-011	A-11	White Texture	Y	5	ND			100	C
18029123-012	A-12	Brown Floor Tile	Y	85	ND			100	B
18029123-012	A-12	Clear Mastic	Y	10	ND			100	T
18029123-012	A-12	White Texture	Y	5	ND			100	C
18029123-013	A-13	Brown Floor Tile	Y	85	ND			100	B
18029123-013	A-13	Clear Mastic	Y	10	ND			100	T



Miguel Ines
Laboratory Analyst



Miguel Ines
Asbestos Laboratory Supervisor

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CHRY = Chrysotile
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B = Binder
OP = Opaques
D = Diatoms

A-Tech Consulting, Inc.
1748 W Katella Ave
Orange, California 92867
Attn: Robert Williams
Project: **7576 Etiwanda Ave. #180926**
Condition of Sample(s) Upon Receipt: Acceptable



Date Collected: 08/14/2018
Date Received: 08/15/2018
Date Analyzed: 08/16/2018
Date Reported: 08/16/2018
Project ID: 18029123
Page 4 of 10

18029123-013	A-13	White Texture	Y	5	ND			100	C
18029123-014	A-14	Brown Floor Tile	Y	85	ND			100	B
18029123-014	A-14	Clear Mastic	Y	10	ND			100	T
18029123-014	A-14	White Texture	Y	5	ND			100	C
18029123-015	A-15	Tan Floor Tile	Y	95	ND			100	B
18029123-015	A-15	Yellow Mastic	Y	5	ND			100	T
18029123-016	A-16	Tan Floor Tile	Y	95	ND			100	B
18029123-016	A-16	Yellow Mastic	Y	5	ND			100	T
18029123-017	A-17	Tan Floor Tile	Y	100	ND			100	B
18029123-018	A-18	Tan Floor Tile	Y	100	ND			100	B
18029123-019	A-19	Tan Floor Tile	Y	95	ND			100	B
18029123-019	A-19	Yellow Mastic	Y	5	ND			100	T
18029123-020	A-20	Tan Mastic	Y	70	ND			100	T
18029123-020	A-20	White Texture	Y	30	ND			100	B
18029123-021	A-21	Tan Mastic	Y	70	ND			100	T
18029123-021	A-21	White Texture	Y	30	ND			100	B



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18029123-022	A-22	Tan Mastic	Y	70	ND			100	T
18029123-022	A-22	White Texture	Y	30	ND			100	B
18029123-023	A-23	Gray Vinyl Sheet with Gray Backing	N	90	ND		20 CELL, 5 FBG	75	B
18029123-023	A-23	Yellow Mastic with Gray Leveling Compound (Unable to Separate Layers)	N	10	ND			100	B,T
18029123-024	A-24	Gray Vinyl Sheet with Gray Backing	N	90	ND		20 CELL, 5 FBG	75	B
18029123-024	A-24	Yellow Mastic with Gray Leveling Compound (Unable to Separate Layers)	N	10	ND			100	B,T
18029123-025	A-25	Gray Vinyl Sheet with Gray Backing	N	90	ND		20 CELL, 5 FBG	75	B
18029123-025	A-25	Yellow Mastic with Gray Leveling Compound (Unable to Separate Layers)	N	10	ND			100	B,T
18029123-026	A-26	Tan Mastic	Y	70	ND			100	B



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18029123-026	A-26	White Fibrous Material	Y	30	ND		80 CELL	20	T
18029123-027	A-27	Tan Mastic	Y	70	ND			100	B
18029123-027	A-27	White Fibrous Material	Y	30	ND		80 CELL	20	T
18029123-028	A-28	Tan Mastic	Y	70	ND			100	B
18029123-028	A-28	White Fibrous Material	Y	30	ND		80 CELL	20	T
18029123-029	A-29	Tan Mastic	Y	70	ND			100	B
18029123-029	A-29	White Fibrous Material	Y	30	ND		80 CELL	20	T
18029123-030	A-30	Tan Mastic	Y	70	ND			100	B
18029123-030	A-30	White Fibrous Material	Y	30	ND		80 CELL	20	T
18029123-031	A-31	Tan Mastic	Y	100	ND			100	T
18029123-032	A-32	Black Shingle 1	Y	30	ND		15 FBG	85	B
18029123-032	A-32	Black Shingle 2	Y	30	ND		15 FBG	85	B



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18029123-032	A-32	Black Fibrous Felt	Y	40	ND		50 CELL	50	B
18029123-033	A-33	Black Shingle 1	Y	30	ND		15 FBG	85	B
18029123-033	A-33	Black Shingle 2	Y	30	ND		15 FBG	85	B
18029123-033	A-33	Black Fibrous Felt	Y	40	ND		50 CELL	50	B
18029123-034	A-34	Black Shingle 1	Y	20	ND		15 FBG	85	B
18029123-034	A-34	Black Shingle 2	Y	20	ND		15 FBG	85	B
18029123-034	A-34	Black Shingle 3	Y	40	ND		15 FBG	85	B
18029123-034	A-34	Black Fibrous Felt	Y	20	ND		50 CELL	50	B
18029123-035	A-35	Black Shingle 1	Y	20	ND		15 FBG	85	B
18029123-035	A-35	Black Shingle 2	Y	20	ND		15 FBG	85	B



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18029123-035	A-35	Black Shingle 3	Y	40	ND		15 FBG	85	B
18029123-035	A-35	Black Fibrous Felt	Y	20	ND		50 CELL	50	B
18029123-036	A-36	Black Shingle 1	Y	30	ND		15 FBG	85	B
18029123-036	A-36	Black Shingle 2	Y	30	ND		15 FBG	85	B
18029123-036	A-36	Black Fibrous Felt	Y	40	ND		50 CELL	50	B
18029123-037	A-37	Black Mastic	Y	100	ND		15 CELL	85	T
18029123-038	A-38	Black Mastic	Y	40	ND		15 CELL	85	T
18029123-038	A-38	Gray Mastic	Y	60	ND			100	T
18029123-039	A-39	Black Mastic	Y	40	ND		15 CELL	85	T
18029123-039	A-39	Gray Mastic	Y	60	ND			100	T
18029123-040	A-40	Gray Mastic	Y	100	ND			100	T



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18029123-041	A-41	Gray Mastic	Y	100	ND			100	T
18029123-042	A-42	Gray Mastic	Y	100	ND			100	T



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Page 1 of 10

General Notes

- **ND** indicates no asbestos was detected; the method detection limit is 1%.
- **Trace** or "<1" indicates asbestos was identified in the sample, but the concentration is less than the method detection limit of 1%.
- All regulated asbestos minerals (i.e. chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite) were sought in every layer of each sample, but only those asbestos minerals detected are listed. Amosite is the common name for the asbestiform variety of the minerals cummingtonite and grunerite. Crocidolite is the common name used for the asbestiform variety of the mineral riebeckite.
- Tile, vinyl, foam, plastic, and fine powder samples may contain asbestos fibers of such small diameter (< 0.25 microns in diameter) that these fibers cannot be detected by PLM. For such samples, more sensitive analytical methods (e.g. TEM, SEM, and XRD) are recommended if greater certainty about asbestos content is required. Semi-quantitative bulk TEM floor tile analysis is accepted under the NESHAP regulations.
- These results are submitted pursuant to Aerobiology Laboratory Associates, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted.
- Unless notified in writing to return the samples covered by this report, Aerobiology Laboratory Associates, Inc. will store the samples for a minimum period of thirty (30) days before discarding. A shipping and handling charge will be assessed for the return of any samples.
- Samples identified as inhomogeneous (containing more than one layer) shall be divided into individual layers and each layer tested separately. The results for each individual layer shall be listed separately on the report.

Notes Required by NVLAP

- This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.
- This test report relates only to the items tested or calibrated.
- This report is not valid unless it bears the name of a NVLAP-approved signatory.
- Any reproduction of this document must include the entire document in order for the report to be valid.



Company: A-Tech Consulting, Inc.
 Address: 1748 W. Katella Avenue, Suite 112
 City: Orange
 State: CA Zip Code: 92867

Phone Number: (714) 434-6360
 Fax Number: (714) 221-6360
 Attn: Robert Williams
 Results: Email to labs@atechinc.net

Project Name & Number: 7576 ETIWANDA AVE. #180926

ASBESTOS	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	5 Day
----------	--------	--------	---------	---------	---------	-------

PLM-BULK

EPA 600/R-93/116						X
EPA Point Count -400						
EPA Point Count-1000						

Qualitative (Pos/Neg)	N/A					
Quantitative ASTM	N/A					

PCM-AIR

NIOSH 7400 (A) Issue 2: August 1994						
OSHA w/TWA						

PARTICULATES

NIOSH 0500	N/A	N/A				
NIOSH 0600	N/A	N/A				
NIOSH 7500 Mod All Species	N/A	N/A				

☐ 8-Hr TWA☐ 8-Hr TWA

LEAD	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	5 Day
------	--------	--------	---------	---------	---------	-------

Chips EPA 3050/7420						
Wipes NIOSH 7082						
Soil EPA 3050/7420						
Air NIOSH 7082						
TTLC (Ceramic Tile)	N/A					

OTHER SAMPLES	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	5 Day

Client Sample Number: A-01 - A-42 Total: 42

Relinquished: Aacin Ramirez Date: 8/14/18 Time:
 Received: LO Date: 8/15/18 Time: 9 AM
 Relinquished: Date: Time:
 Received: Date: Time:

Fed Ex Yes Date Sent No Laboratory:
 Notes:

Cover

LEAD

I. Executive Summary

- 1.0 Introduction
- 2.0 Scope of Survey
- 3.0 Property Description/Historical Description
- 4.0 Inspector's Qualifications
- 5.0 Testing Methodology
- 6.0 Testing Protocol
- 7.0 Summary of Results
- 8.0 Conclusions and Recommendations
- 9.0 Limitations

II. Appendices

A. Tables: Lead XRF Table

B. Diagrams: Site Diagram

C. DPH 8552 Form

Atch-180926
Comprehensive XRF-Lead Survey
7576 Etiwanda Avenue
Etiwanda, California 91739

August 27, 2018

Christ's Church of the Valley
7576 Etiwanda Avenue
Etiwanda, California 91739

Attn: Mr. Greg Linzay

Re: Christ's Church of the Valley
7576 Etiwanda Avenue, Nursery Building and Patio, Storage
Etiwanda, California 91739

Pursuant to your request, A-Tech Consulting, Inc. performed a Comprehensive XRF-Lead Survey at Christ's Church of the Valley, 7576 Etiwanda Avenue, in Etiwanda, California. The following report summarizes all findings and results of this inspection.

1.0 INTRODUCTION

A-Tech was contacted by Mr. Greg Linzay with Christ's Church of the Valley to confirm the presence or absence of lead. This report presents the results for the Comprehensive XRF-Lead Survey of the Nursery Building and the Patio, Storage of Christ's Church of the Valley located at 7576 Etiwanda Avenue, (subject property/site), in Etiwanda, California. The inspection was performed in accordance with Environmental Protection Agency (EPA) and California Occupational Safety and Health (CAL-OSHA) requirements, utilizing United States Housing and Urban Development (HUD) protocols. This report does not represent a HUD level inspection. The scope of services, inspection methodology and results are presented herein. The sampling was conducted by Louis Jimenez - DPH Inspector/Assessor #28486 on August 13 and 14, 2018.

2.0 SCOPE OF SURVEY

The purpose of this Comprehensive XRF-Lead Survey is to identify and assess lead containing material (LCM) present at the subject property with the potential impact during upcoming demolition activities. The intent of the survey is to ascertain the presence of lead-based paint at or above 1.0 mg/cm².

3.0 PROPERTY DESCRIPTION/HISTORICAL DATA

The subject property inspected consists of a one-story church building that includes a nursery and a patio, with composite drywall interior and wood siding exterior, built on a concrete foundation. At the time of the inspection, it was observed that the surfaces tested in the inspected areas are in intact and fair condition. The build date is unknown.

4.0 INSPECTOR'S QUALIFICATIONS

The inspector who conducted the site sampling/assessment is a state certified California Department of Public Health (CA-DPH) Lead Inspector/Risk Assessor, has completed an EPA sponsored curriculum in the Lead Inspector and Risk Assessor Training, and has attended the manufacturer's radiation safety course for operation and handling of the XRF instrument.

At the time of this report, the California Department of Public Health, Childhood Lead Poisoning Branch, has implemented a State Certification and Model Accreditation Plan adopted from the Environmental Protection Agency (EPA).

5.0 TESTING METHODOLOGY

The method employed for testing painted surfaces was with an X-ray fluorescence (XRF) analyzer. A-Tech Consulting, Inc. utilized a Heuresis Pb200i X-Ray fluorescence (XRF) lead paint analyzer to sample paint for lead content. XRF Instrument serial #1525 was used for this project.

The instrument was calibrated to the manufacturer's specifications and was also periodically verified against the National Institute of Standards and Testing (NIST) Standard Reference Material (SRM) 2579 lead film (1.0 mg/cm²). The instrument was in-control at all times for the wood zero standard and NIST SRM lead standard.

A visual inspection consisting of a walkthrough of the subject site was conducted to determine the presence of suspect LCM components that were readily accessible and/or exposed. This included the identification of suspect lead-based painted components, ceramic tile, glazed components, etc. and the determination of the condition of those components. All coated surfaces, including but not limited to painted, varnished, and glazed surfaces, were tested for lead content.

6.0 TESTING PROTOCOL

Testing was conducted in accordance with Chapter 7 of the Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing as published by HUD in 2012. XRF readings were obtained on representative painted surfaces on each building component in each room equivalent. The HUD definition of lead-based paint is equal to or greater than 1.0 mg/cm². All XRF readings below the regulatory definition are considered negative and all readings at and above this level are considered positive.

7.0 SUMMARY OF RESULTS

According to the XRF findings, no components tested positive for the presence of lead at or above 1.0 mg/cm². Please refer to Attachment A Lead XRF Table for detailed sample information.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Currently, CAL-OSHA does not consider XRF analysis to be an acceptable method of analysis as it pertains to worker exposure. They have a tendency to report false negatives. XRF analyzers are generally considered to be accurate when results exceed 1.0 mg/cm² (5,000 ppm). However, CAL-OSHA considers levels below 1.0 mg/cm² (5,000 ppm HUD) to be an exposure risk to lead containing material and can result in a substantial worker exposure during construction, demolition, etc. OSHA's current level for objective data/negative determination is 600 ppm. Additional chip/bulk sampling via laboratory analysis may be necessary prior to impact of painted, glazed, and varnished surfaces during demolition, renovation, etc.

CAL-OSHA's current level for objective data/negative determination is 600 ppm. However, anyone performing trigger tasks, regardless of the level of lead, as outlined in 29 CFR 1926.62 and Title 8 CCR 1532.1 can reasonably assume risk of lead exposure. Work activities which may lead to any amount of lead exposure must be conducted in accordance with safe lead work practices, current regulatory guidelines, and current proper protective equipment protocols. Additionally, this was not a comprehensive survey of the building and any stabilization/removal of materials or areas not surveyed would require additional sampling.

9.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations at the site and laboratory analysis of the tested samples. They are intended exclusively for the purpose outlined herein, and for the site location and project indicated.

This comprehensive inspection was planned, developed, and implemented based on A-Tech's scope of services approved by the client. This inspection was conducted in compliance with current regulatory protocols. A-Tech utilized state-of-the-art-practices and techniques in accordance with regulatory standards, while performing this inspection. A-Tech's evaluation of the relative risk of exposure to lead, identified during this limited inspection, is based on conditions observed at the time of the comprehensive inspection.

A-Tech cannot be responsible for changing conditions that may alter the relative exposure risk or for future changes in accepted methodology. The floor plans (in Microsoft Office Visio format) and actual test results for each of the tested areas are contained within this report. Lead quantities are estimates only (see Lead Tables-Est. Qty.) Exact quantities should be verified by the abatement contractor prior to stabilization/removal.

This survey report is not specifications for lead abatement and it should not be used as a stand-alone lead abatement bid document. Recognizing that even the most comprehensive survey may fail to detect lead at a particular site, this study was not intended to identify all potential LCM's present in the building or at the site for such reasons as the possible existence of buried, covered and inaccessible areas and features. A-Tech does not warrant that all sub-surface, wall cavity or other inaccessible materials were tested. A-Tech did not test any live electrical components or disassemble operational building equipment such as fans or HVAC components. These components may contain untested suspect LCM's. If any suspect LCM's not tested herein are discovered, they must be tested prior to impact.

A-Tech assumes no responsibility for the identification of suspect LCM's, which were not included in the client's scope of work or were concealed and/or inaccessible (i.e. locked rooms, under carpet, etc.) However, A-Tech makes every attempt possible to test all designated areas for lead (i.e. check under carpeting, inspect attic, crawl space, etc.). A-Tech assumes no responsibility for the identification of "atypical" LCM, used in the construction trade.

There are potential liabilities associated with the presence, and removal, of LCM. Precautionary measures, as outlined herein, should be taken in accordance with the guidelines set forth by the EPA, CAL-OSHA and other regulatory agencies.

Services performed by A-Tech were conducted in a manner above the care and skill ordinarily and currently exercised by members of the same profession that even the most comprehensive scope of services might fail to detect environmental liabilities on a particular site. Therefore, A-Tech cannot act as insurers and cannot "certify" that a site is free of environmental contamination.

No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by the Scope of Services, with the customary thoroughness and competence of our profession.

This report is intended for the sole use of the contracted Client and its authorized representatives. The exchange of information was unique between A-Tech and the client regarding the mutually agreed upon scope of service. Unless explicitly authorized in this report, no third party is beneficiary to the contract or findings of this report. The unauthorized use or reliance of this document or the findings, conclusion or recommendations presented herein, by any other party or parties is at the sole risk of any such third party. For the same reasons, no warranties or representations, expressed or implied in this report, are provided to any such third party.

Information and opinions presented herein apply to the existing and reasonable foreseeable site conditions at the time of our investigation. They cannot necessarily apply to site changes of which this office is unaware and have not had the opportunity to review. Changes in the conditions of this property may occur with time due to natural processes or works of man on the subject property or on adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part by changes beyond our control.

A-Tech representatives are prepared to meet with your staff, to further discuss this project, upon your request. A-Tech trusts that the information presented herein provides the data you require. Should you have any questions or comments please contact A-Tech Consulting, Inc. at (800) 434-1025.

Respectfully submitted,
A-Tech Consulting, Inc.



Robert L. Williams, DPH, CAC, CIEC
Certified Lead Inspector/Assessor #706

XRF-Lead Assay

Client Name: Christ's Church of the Valley

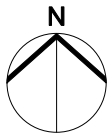
A-Tech Project Number: 180926

Location: Christ's Church of the Valley, 7576 Etiwanda Avenue, Nursery Building and Patio, Storage

<u>Sample Number</u>	<u>Structure</u>	<u>Room</u>	<u>Floor</u>	<u>Area</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
180926-X-0001	-	-	-	Calibration	NIST	-	-	-	-	1.01	-	-	-
180926-X-0002	-	-	-	Calibration	NIST	-	-	-	-	0.98	-	-	-
180926-X-0003	-	-	-	Calibration	NIST	-	-	-	-	1.08	-	-	-
180926-X-0004	Nursery	01	1st	Staff Room	Wall	Composite Drywall	Negative	C	Yellow	0.15	Fair	N/A	N/A
180926-X-0005	Nursery	02	1st	Lobby	Wall	Composite Drywall	Negative	A	Blue	0.06	Fair	N/A	N/A
180926-X-0006	Nursery	03	1st	Restroom	Sink	Porcelain	Negative	B	White	0.14	Intact	N/A	N/A
180926-X-0007	Nursery	03	1st	Restroom	Toilet	Porcelain	Negative	C	White	0.48	Intact	N/A	N/A
180926-X-0008	Nursery	04	1st	Toddler Room 2	Wall	Composite Drywall	Negative	D	Tan	0.05	Fair	N/A	N/A
180926-X-0009	Nursery	05	1st	Toddler Restroom	Toilet	Porcelain	Negative	B	White	0.04	Intact	N/A	N/A
180926-X-0010	Nursery	05	1st	Toddler Restroom	Toilet	Porcelain	Negative	B	White	0.51	Intact	N/A	N/A
180926-X-0011	Nursery	06	1st	Toddler Room 1	Wall	Composite Drywall	Negative	C	Tan	0.09	Fair	N/A	N/A
180926-X-0012	Nursery	06	1st	Toddler Room 1	Wall	Composite Drywall	Negative	B	Blue	0.01	Fair	N/A	N/A
180926-X-0013	Nursery	Ext.	-	Exterior	Fence	Wood	Negative	C	Dark Gray	0.02	Fair	N/A	N/A

1748 W. Katella Avenue, Suite 112, Orange, CA 92867
 Phone (714) 434-6360 Fax (714) 221-6360
 Web Address: www.atechinc.net

<u>Sample Number</u>	<u>Structure</u>	<u>Room</u>	<u>Floor</u>	<u>Area</u>	<u>Component</u>	<u>Substrate</u>	<u>Pos/Neg</u>	<u>Side</u>	<u>Color</u>	<u>Reading mg/cm2</u>	<u>Cond.</u>	<u>Access.</u>	<u>Est. Qty.</u>
180926-X-0014	Patio	01	1st	Storage	Floor Sink	Porcelain	Negative	-	White	0.05	Intact	N/A	N/A
180926-X-0015	-	-	-	Calibration	NIST	-	-	-	-	1.14	-	-	-
180926-X-0016	-	-	-	Calibration	NIST	-	-	-	-	1.15	-	-	-
180926-X-0017	-	-	-	Calibration	NIST	-	-	-	-	1.08	-	-	-



Not to Scale

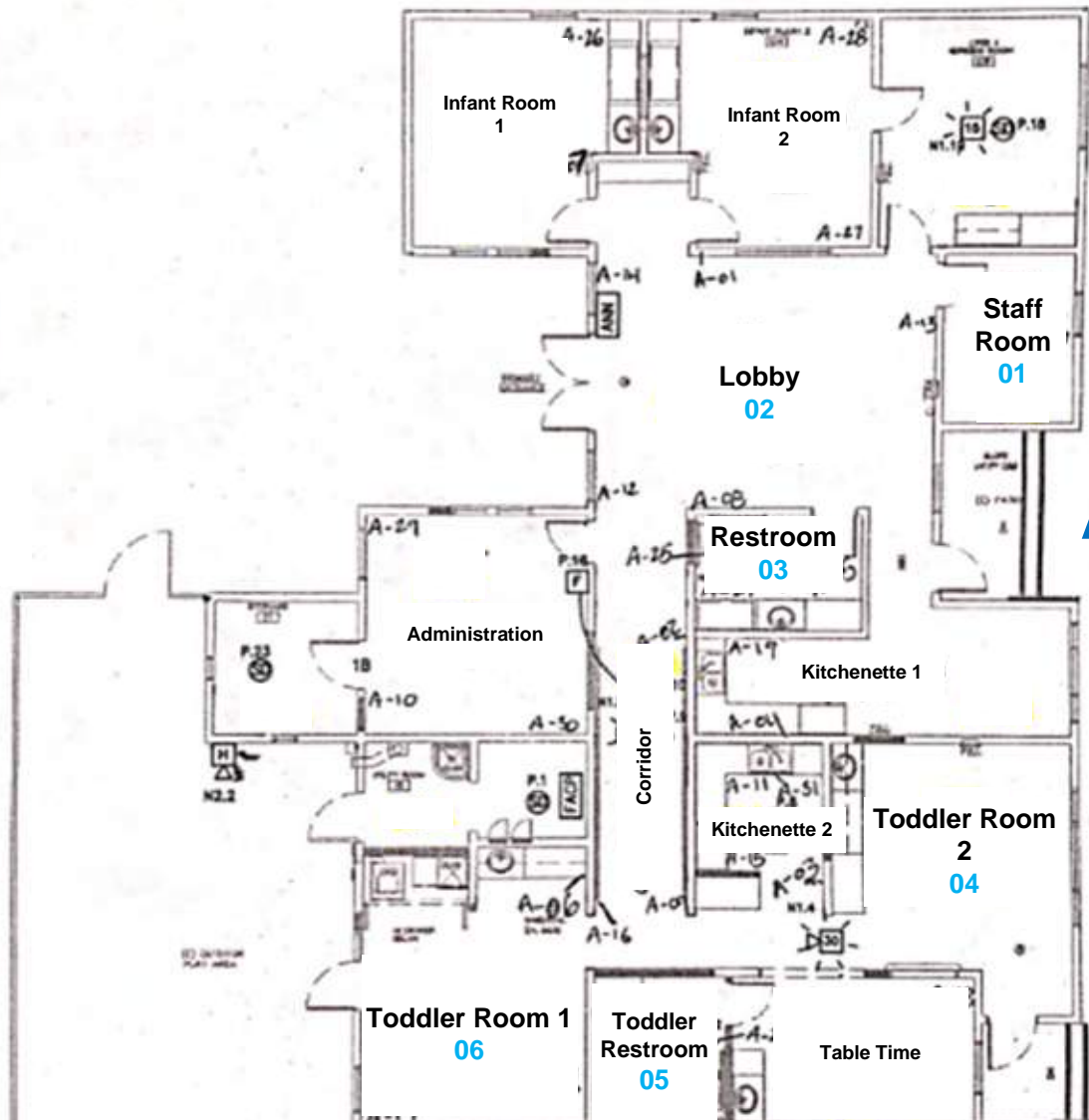


A-Tech Consulting, Inc.

D

C

A



B

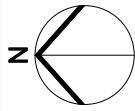
Nursery Building

Site Drawing – Lead - Page 1 of 2

Christ's Church of the Valley
7576 Etiwanda Avenue
Etiwanda, California 91739

Project #: Atch-180926

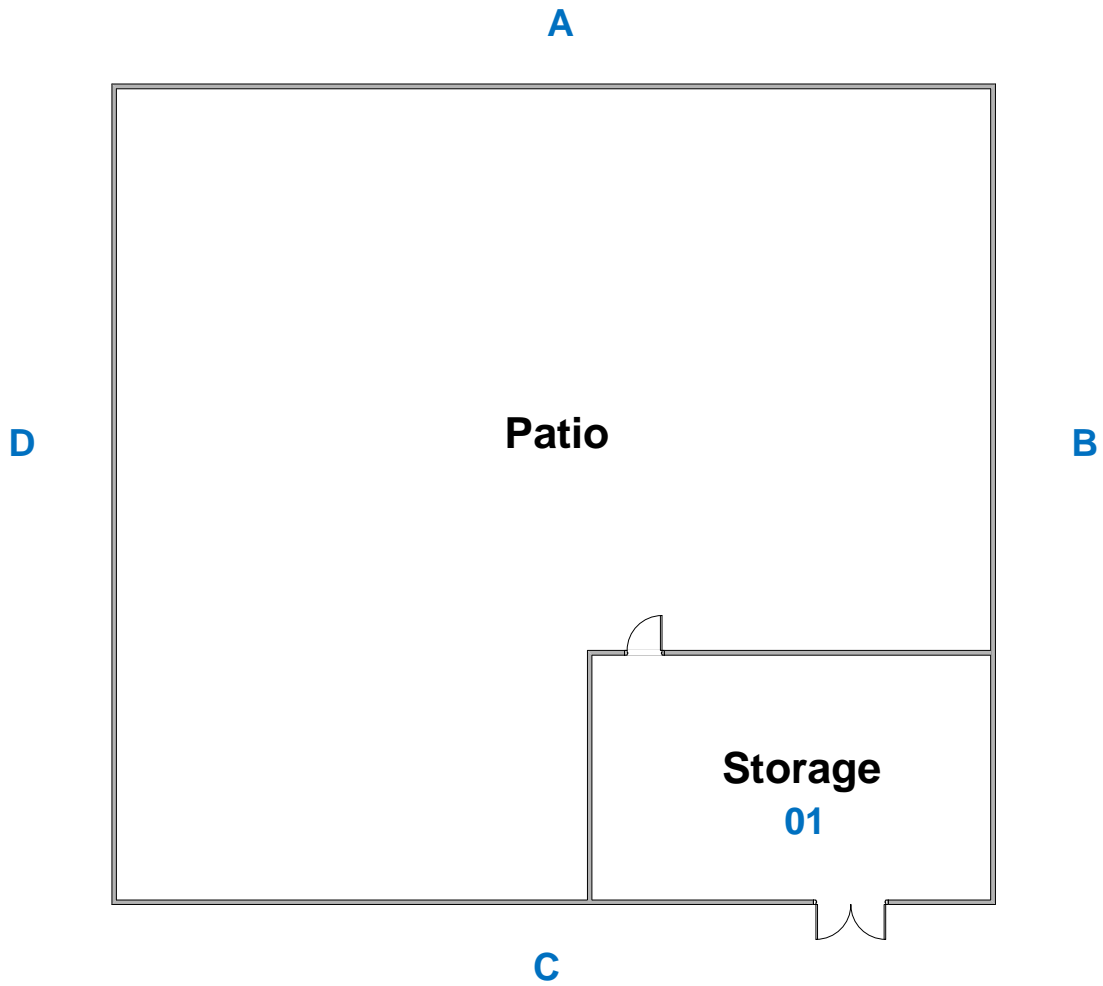
Christ's Church of the Valley



Not to Scale



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Site Drawing – Lead - Page 2 of 2

Christ's Church of the Valley
7576 Etiwanda Avenue
Etiwanda, California 91739

Project #: Atch-180926

Christ's Church of the Valley

LEAD HAZARD EVALUATION REPORT**Section 1 — Date of Lead Hazard Evaluation** _____**Section 2 — Type of Lead Hazard Evaluation (Check one box only)**☐ Lead Inspection ☐ Risk assessment ☐ Clearance Inspection ☐ Other (specify) _____**Section 3 — Structure Where Lead Hazard Evaluation Was Conducted**

Address [number, street, apartment (if applicable)]		City	County	Zip Code
Construction date (year) of structure	Type of structure (check one box only)			
	<input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other (specify) _____			

Section 4 — Owner of Structure (if business/agency, list contact person)

Name		Telephone number	
Address [number, street, apartment (if applicable)]	City	State	Zip Code

Section 5 — Results of Lead Hazard Evaluation (check all that apply)

☐ No lead-based paint detected. ☐ Lead-based paint detected.
☐ No lead hazards detected. ☐ Lead hazards detected.

Section 6 — Individual Conducting Lead Hazard Evaluation

Name		Telephone number	
Address [number, street, apartment (if applicable)]	City	State	Zip Code
CDPH certification number	Signature 		Date

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Section 7 — Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
B. Each testing method, device, and sampling procedure used;
C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656