

**CITY OF NORWICH
OFFICE OF DEVELOPMENT
23 UNION STREET
NORWICH, CONNECTICUT 06360**

**CITY OF NORWICH PROPERTY
REHABILITATION PROGRAM
Project LP1606**

**37 Grove Street
Norwich, CT. 06360**

PROJECT SPECIFICATION

Bid-Lead Paint Hazard Control

**CITY OF NORWICH
INVITATION TO BID**

PROPERTY REHABILITATION PROGRAM

**Bids for: LP1606
37 Grove Street
Norwich CT.**

BID- Lead Paint Hazard Control

Bids are being sought for the project for the property located at:
The residence at
37 Grove Street
Norwich, Connecticut

This project is being funded through the Property Rehabilitation Program and or HUD Lead Based Paint Hazard Control in Priority Housing Program. Contractors must be aware that the City of Norwich is an Equal Opportunity Employer. Contract documents including the lead abatement plan and property rehabilitation specifications may be obtained from the Office of Community Development, 23 Union Street, Norwich, Connecticut, Office hours are from 8:30 AM to 4:30 PM, Monday thru Friday. **A pre-bid conference will be held on 09-21-18 at 10:00 am. at the project location. Your attendance at that meeting is recommended to bid on this project.**

Sealed bids will be received at the Office of Community Development, 23 Union Street, Norwich, Connecticut until 4:00 PM on 09-28-18, at which time they will be opened and read aloud. The City of Norwich Reserves the right to reject any and all bids, or any part of any bid where such action is deemed to be in the best Interest of the City.

**EQUAL EMPLOYMENT / OPPORTUNITY
AFFIRMATIVE ACTION
FAIR HOUSING AGENCY**

CITY OF NORWICH
OFFICE OF DEVELOPMENT
23 UNION STREET
NORWICH, CONNECTICUT
860-823-3770

SPECIFICATIONS FOR THE PROJECT KNOWN AS:

37 Grove Street
Norwich. CT 06360

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GENERAL BIDDING INSTRUCTIONS:

1. The contractor is to obtain and review the Project Specifications and prepare a quotation for all work specified on the Company Letterhead and the enclosed bid form.
2. Contractors are urged to attend the Pre-Bid conference on **09-21-18 At 10:00 a.m.** Failure to attend the Pre-Bid conference may result in incomplete bid information.
3. Bid proposals are to be submitted in a sealed envelope addressed as follows:

Community Development, Property Rehabilitation Program
Bid Project: #LP1606 37 Grove Street
-On the outside front of the envelope-

4. **The sealed bid proposals will be received until 4:00 PM on 09-28-18,** at the Office of Community development which time they will be opened and read aloud.
5. It is the contractor's responsibility to ensure they have all the project addendums and changes made to the scope of work prior to the bid due date. Copies of the addendum will be available at the city offices. Copies of addendum are to be attached with each bid. Failure to attach the addendum sheets will disqualify the bidder.

The information contained in this bid package is for the purpose of providing general project specifications of the items included in the scope of work. Code compliance work required by the local building officials and fire marshal will be limited to those items directly relating to lead abatement activities. All other code compliance issues will be the responsibility of the property owner, and will not be funded under this program.

Funding provided under this program will be in the form of a two party check made out to the Property Owner and the Contractor. The Property Owner will authorize the release of the check by personally signing it at the City of Norwich Office of Development. The contractor may then pick up the check or notify the City to mail it to the contractors address listed herein. Contractors should allow a minimum of 15 days for payment of approved invoices. The contract documents further describe the payment process.

Items not included in this specification, that are required for a complete installation or operation are considered part of this specification. All issues pertaining to code compliance should be directed to the Building Official. It is the responsibility of the contractor to secure and pay for all required permits, and terminate all required permits with inspections required by the permitting authority. Copies of all permits to be provided to the City at the time of issue and release.

Prior to the start of any construction activities, the contractor must request a pre-abatement inspection which will review the containment preparations, licensure, and proper set up of construction activities and safety equipment, if the work Specification requires it.

**NOTICE OF INVITATION TO BID
GENERAL INFORMATION**

PROJECT NAME: LP1606
ADDRESS: 37 Grove Street
Norwich, Connecticut, 06360

OWNERS NAME: Isabel Bowens
OWNERS ADDRESS: 37 Grove Street
Norwich CT. 06360

OWNERS PHONE NO: 860-710-0808
For the City of Norwich, Contact:
City of Norwich
Office of Development
23 Union Street
Norwich, CT 06360
(860) 823-3770
Wayne R. Sharkey, Property Rehabilitation, Program Manager
Office hours: Monday – Friday 8:30 am – 4:30 pm

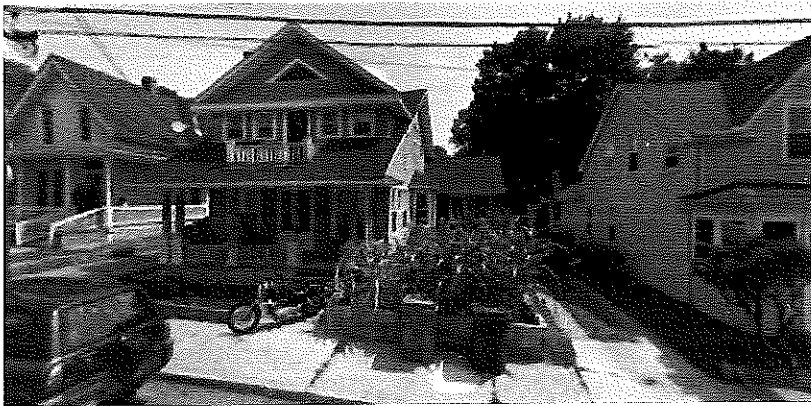
Contractor:

Additional project specifications may be obtained at:

Community Development Office
23 Union Street
Norwich, Connecticut 06360
(860) - 822 - 3770

Project specifications may be obtained during normal business hours 8:30 AM - 4:30 PM,
Monday thru Friday.

Google Maps 37 Grove St



37 Grove St
Norwich, CT 06360

BIDDING AND GENERAL PROGRAM POLICIES

1. The omission of any items listed in the Basic Bid Package will result in the disqualification of the bid.
2. All addendums and scope changes discussed at the bid walk through will be written up and available at the city office prior to the bid opening date. All addendum and changes to be attached to the bid forms and signed by the contractor. Failure to attach addendum and changes may result in bid disqualification.
3. Bid readings are open to the public. No bid documents will be made available to contractors or the public without supervision at the bid opening. Results of the bidding will be available at the Office of Development the following business day.
4. The City of Norwich reserves the right to reject any bid when it is deemed to be in the best interest of the City and/or the property owner. The City of Norwich further reserves the right to accept or reject portions of any bid when it is deemed to be in the best interest of the City and or the property owner.
5. Disputes and protests:
 - a. If a contractor feels that a bidder has submitted an incomplete bid, or has evidence of other improprieties that negatively impact their own qualified bid, they may file a protest with the City of Norwich, Office of Development within 7 calendar days of the Bid opening.
 - b. Such notice shall be in writing and include copies of evidence required to prove or disprove the questionable bids.
 - c. Bid protests will not be accepted by unqualified bidders, or bidders who have been disqualified for incomplete bids.
 - d. All bid protests will be reviewed by program staff and the Director of Development. The decision rendered by the director of development will be final.
 - e. Contractors submitting frivolous bid protests are hereby warned that unjustified and groundless protests may result in the loss of future bidding privileges
6. Bidder Limitation Policies:
 - a. Bidders may hold no more than three active contracts between either the Lead or Rehab program. (However Contractors may request exception to this rule if they can provide assurances sufficient to the timely start and completion of project contracts.) Acceptance/denial of such a request is solely at the discretion of the Rehabilitation Specialist.
 - b. Bidders holding three open contracts, will be prohibited from future bidding until the closeout of one or more open contracts. (see- exception clause)
 - c. Contract holders that are in delinquent standing of any project completion date, may be prohibited from bidding until all delinquent projects are closed out.
 - d. New Contractors will be subject to a probationary period in which they may hold only one contract. Once a new contractor has entered into their first contract for a Property Rehabilitation or Lead Hazard Reduction project, they will not be allowed to bid further projects until the successful completion of the probationary period. During the probationary period the Contractor will be evaluated based on their performance according to both the project contract, and overall program requirements. At the completion of the project the Program Manger will give the

Contractor written notice outlining their acceptance or denial as a Contractor "in good standing", for future Projects.

7. Lead Abatement Clearance Policies:
 - e. Both the first and second rounds of dust wipes tests are included in program costs.
 - f. Further failures will be assessed to the project contractor in the form of an \$80.00 per hour inspector fee.
 - g. All additional testing fees must be paid in full prior to the release of final payment to the contractor.

BASIC PRODUCT SELECTION ALLOWANCES:

As the most common work items for Lead Paint Hazard Control projects, the following door selection pricings will be implemented as they are applicable to each project scope.

Exterior grade door (standard sizes), hardware & trim: Max Owner selection \$375.00 per

Exterior grade door with Side lights, hardware & trim: Max Owner selection \$800.00 per

Interior Door slab only: Max Owner selection \$85.00 per

Interior Door, casing, trim, and hardware: Max Owner Selection \$150.00 per

Storm Doors: \$200.00

OTHER PRODUCT BIDDING REQUIRMENTS

Where Lead Paint Hazard Control, and Rehabilitation Projects include various other building products, the contractor is responsible include "Builders Grade Materials and Products, with basic selections for colors and style where applicable."

For program purposes (Builders Grade Products) shall be defined as middle grade market available building products by costs. Prior to contract signing, the Contractor, Program Manager and Property owner will meet to review and approve all product selections. NOTE: Property owners may elect to select higher grade or specialty products only at their own cost, and if such a selection does not delay the normal agreed upon schedule of work. No product alterations shall be made after contract signing unless under special circumstance, approved by Program Management.

BASIC BID PACKAGE: Bid-Lead Paint Hazard Control

The City of Norwich, Office of Community Development basic bid package is enclosed and shall be submitted as follows:

1. This Instruction Sheet with signed bidders certification
2. Payment Request from filled out and totaled.
3. Non-Collusion Affidavit.
4. Proof of insurance
5. Proof of licensure as a home improvement contractor in the State of Connecticut.
6. Proof of Licensure as a Lead Abatement contractor in the State of Connecticut (if applicable)
7. Copies of all addendum sheets properly signed and filled out as directed.

*** Please note, items 3,4,5, and 6 may be submitted once annually. It is also the contractor's responsibility to insure that these items are updated as they expire. Please be aware that the submittal of items 1,2,and 7 will only constitute a complete bid package if all other items are on file and up to date with the City of Norwich.

BIDDERS CERTIFICATION

I, _____, acting on behalf of _____
A contractor registered in the State of Connecticut, have reviewed the bid requirements, bid documents and site conditions and hereby propose to complete the work specified for the amount of _____ dollars (\$ _____)

I will guarantee this price for a maximum of 15 days from the date of this proposal. I will be able to start this project on or about _____, 2017. This project is allotted **25, calendar days** to complete the specified scope, baring weather and or other excusable delays. (Note: Work items that cannot be undertaken during winter months such as exterior encapsulation or soils, shall have a completion date of no later than May 30th.) I am aware that if I fail to complete the work in the time required, I may be penalized based upon the terms of the contract.

Signed by: _____ (Print Name) Date: _____

Signature: _____ Phone: _____

Contractor Name: _____

Address: _____

City of Norwich, Property Rehabilitation Program

Payment Request Form				
Contractor Name:				
Authorized signature:				
PROPERTY ADDRESS:			DATE:	
37 Grove Street			Req. No.:	
Norwich CT. 06360				
Lead Paint Hazard Control				
DESCRIPTION	BID AMOUNT	1st. REQ DATE	2nd. REQ DATE	Final REQ DATE
Permits and Fees				
Waste Disposal				
Waste Disposal (as haz)				
Exterior encap lp all				
Exterior wrap lp all				
Cellar Windows lp all				
Window inserts hh all				
Porches lp all				
Soils lp all				
Soil Alt. 5				
Porch floor Alt				
Interior encap lp all				
Interior doors lp all				
Alt. 1				
Alt. 2				
Alt. 3				
Alt. 4				
TOTALS				
Received to Date:				
This Request:				10% Retain
Total Paid to Date			Total Retainage	
Approved by Owner			Date	
Approved by City			Date	
Approved by Contractor			Date	
PROJECT SCHEDULE:				
Proposed Start Date				

201. NON-COLLUSION AFFIDAVIT OF CONTRACTOR

State of _____)
) ss.
County of _____)

_____, being first duly sworn, deposes and says
that :

(1) He is (owner, partner, officer, representative, or agent) of

_____,
(hereafter refer to as the "Contractor"), who has executed the Agreement, of which this affidavit
is a part;

(2) He is fully informed respecting the preparation and contents of said Agreement and the
Contract Price and all pertinent circumstances respecting such Agreement and Contract Price;

(3) Such Contract Price is genuine and not a collusive or sham price;

(4) Neither the Contractor nor any of its officers, partners, owners, agents, representatives,
employees or parties in interest, including this affidavit, has in any way colluded, conspired,
connived, or agreed, directly or indirectly, with any other contractor, bidder, firm or person to
submit a collusive or sham price or bid in connection with such work, or has in any manner,
directly or indirectly, sought by agreement or collusion or communication or conference with any
other contractor, bidder, firm or person to fix the price or prices offered by the Contractor and
accepted by the owner, or to fix the offered price of any other bidder, or to secure through
collusion, conspiracy, connivance or unlawful agreement any advantage against the Owner
and/or the City or any person interested in this agreement; and

(5) The price or prices offered by the contractor and accepted by the Owner as the Contract
price is fair and proper and is not obtained by any collusion, conspiracy, connivance or unlawful
agreement on the part of the Contractor or any of its agents, representatives, owners, employees
or parties in interest, including this affiant.

(Seal, if corporation) _____

By: _____

Title: _____

Subscribed and sworn to before me this _____ day of

_____, 20_____.

***** General Acknowledgement: This Affidavit is to apply to all projects, bid through the
City of Norwich, Community Development Center. (2018)**

Connecticut Lead Paint Solutions, LLC

1245 Hebron Avenue
Glastonbury, CT 06033
860-633-3330
CT License #2124
andrew@ctleadpaint.com

Lead Paint Inspections & Testing
Consulting & Cost Analysis
Abatement/Management Plans
Abatement & Clean-up

Lead Abatement Plan for 37 Grove St Norwich, CT 06360

A. Background Information

This abatement plan was submitted on September 19, 2017. Revised October 12, 2017

Address of property to be abated;
37 Grove St
Norwich, CT 06360

This abatement plan was prepared by
Lead Planner/Project Designer; Andrew Miller
Certificate #002129
1245 Hebron Ave
Glastonbury, CT 06033
860-633-3330

The inspection report used to develop this plan was prepared by;
Connecticut Lead Paint Solutions, LLC
1245 Hebron Ave
Glastonbury, CT 06033
860-633-3330
Lead Consultant Contractor License; #2124
Lead Inspector/Risk Assessor; Andrew Miller
Lead Inspector/Risk Assessor #002179
Dates of inspection were August 15 and September 06, 2017.

B. Owner/Owner Agent Information

The owner and agent of the house is;
Isabell Bowens
37 Grove St
Norwich, CT 06360
860-710-0808

C. **Resident Information**

The owner and some children and grandchildren currently reside in the dwelling. At least one child is under the age of Six years.

D. **Abatement Contractor Information**

The lead abatement contractor has not been selected yet. The Uncas Health District will be notified who was selected.

E. **Repairs Prior to Abatement**

No repairs appear to be required prior to starting the abatement process, except for adjusting the exterior grade at the basement C side right window.

F. **Abatement Techniques to be Used**

1. **Component Replacement.** Replace some existing door units with new pre-hung units. Replace some wood window sashes with vinyl replacement units. Replace various porch components with new. Replace interior stair treads (Rear Stairs).
2. **Liquid Encapsulation.** Remove all defective paint, feather out all edges, wet sand and wash surface. Prime as required and paint with an approved encapsulating paint.
3. **Rigid Encapsulation.** Cover some exterior window casings with aluminum.

The abatement contractor must have read and follow Encapsulating Guide book when using encapsulating paints. Follow procedures for testing existing surface to ensure proper adhesion. Document all testing results. Consult with Lead Planner Project Designer if any surfaces fails test and therefore is not acceptable for encapsulation. Follow all procedure on proper preparation of surfaces that are to be encapsulated. The Lead Planner Project Designer will require the abatement contractor, if any, to provide a written and signed statement that they have read and followed the Liquid Encapsulating Guide. The guide is available online at;
http://www.ct.gov/dph/lib/dph/environmental_health/lead/pdf/ec_guide.pdf.

The complete list of all areas and components to be abated, along with the methods to be used, is detailed on the attached abatement sheets.

G. **The Dates of the Abatement Project**

The estimated starting date of the abatement work will be November 13, 2017. The work should be completed by December 15, 2017. The Uncas Health District will be notified 5 days prior to starting any abatement work.

H. Notification To The Connecticut Historical Commission

This house was built about 1910. The city of Norwich will notify the Connecticut Historical Commission, if required to do so.

I. Occupant Notification Procedure

The owner will be provided with the EPA guide titled; Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools by the contractor or the City of Norwich, Lead-Based Paint Hazard Control Program.

Warning signs will be posted on all entrance doors of the building while abatement work is performed. These signs will be in English only.

J. Containment of the Work Area

Interior

Six mil plastic will cover the complete floor in the work areas and be taped completely to the baseboard prior to starting any work. After abatement work is complete, roll plastic inward so all paint chips and debris are sealed in the plastic, tape closed and place in 6 mil plastic bag and tape shut. HEPA vacuum work area after plastic is removed. Cover all heating duct vents, as needed.

Exterior

Containment is required to collect all paint chips and dust that disturbed during the exterior abatement.

After the surface preparations and abatement are complete, un-tape the plastic from the adjacent surfaces and roll inward or collapse so all paint chips and debris are sealed in the plastic. Tape the rolled plastic closed with duct tape and dispose of in six mil plastic bag. Hepa vacuum any paint chips on the ground that were not captured by the plastic.

No person will enter or remain in a work area at any time during this project except the owner, or his agent, certified workers, enforcement officials, their designees, or the lead project/planner. People other than those listed above may enter the work area only after the area has been clean-up and vacuumed with a HEPA vacuum.

K. Cleaning After Lead-Based Paint Abatement

Clean-up of the interior areas after the abatement work is completed will be as follows; remove the polyethylene plastic by un-taping from baseboards and rolling plastic inward, overlapping itself, wrap with tape after rolling up. Spray plastic surfaces with water bottle if plastic contains paint chips or loose debris. This will reduce dust movement. Put plastic into 6 mil plastic bags and tape shut.

HEPA vacuum all uncovered floor, window sills, window wells and all horizontal surfaces in work area. Wash all vacuumed surfaces with TSP or equivalent cleaner and rinsed with clean water. Avoid contaminating the washing solution by only using a clean paper towel or rag to wash surfaces. Discard all towels or rags after using just once. Hold towel/rag in a way that hands are never in contact with TSP solution. Carpeted floor will not be washed but HEPA vacuumed twice. HEPA vacuum wood or hard surface floors again after floors are dry.

Then after waiting 4 hours after active abatement has ceased the final clean-up can begin. For final clean-up, the abatement area is HEPA vacuumed, TSP washed and HEPA vacuumed again.

After 4 hours have passed after the clean-up of the abatement work, the areas will be ready for clearance testing

L. **Waste Disposal**

All the waste plastic, wood window sashes and paint chips that have been removed will be wrapped in clean plastic and taped-up prior to being removed from the containment area. Disposal of all lead abatement waste will be in compliance with current all local and state regulations. If the owner elects to dispose of the debris herself, and the total amount of debris is 10 cubic yard or less, she will have an exemption from the waste disposal regulations. If it is anticipated that the amount of debris will be more than 10 cubic yards or the owner does not want to take control of the waste, consult with the Lead Planner Project Designer prior to any waste disposal.

M. **Worker Protection**

The owner, and any authorized visitor, without exception, will wear required protective clothing before entering any work area where active abatement is being performed but not yet completed and cleaned.

The worker protection will be as follows:

1. Workers will wear a full Tyvek suit (or equivalent).
2. Workers will wear booties when working in the containment area or on the containment plastic.
3. A half face respirator, NIOSH approved respirators, as required by Connecticut laws with an appropriate filter, (for lead dust) will be used when removing any window or door component.

No smoking, eating or drinking is to be done in the containment areas, and; the workers will wash hands at the end of working and before eating or drinking. Hand to Mouth activities are the easy way for workers to be exposed to lead.

N. **Clearance Testing**

After the abatement work is complete and the areas have been cleaned up, a visual inspection will be performed and dust wipes samples will be collected in all rooms or areas where abatement work was performed. The visual inspection and the dust wipe samples will be done by Connecticut Lead Paint Solutions, LLC, 1245 Hebron Ave, Glastonbury, CT 06033 860-633-3330 or another licensed lead consultant. Three dust wipe samples will be collected in each

interior room or area where abatement or specialized cleaning was performed, one on a floor, one on a window interior sill and one on a window well in each room or area.

Please note; Clean all existing vinyl window wells.

The clearance levels must be less than, as follows:

Floors	10ug/ft ² (micrograms per square foot of surface)
Porch Floors	40ug/ft ² (micrograms per square foot of surface)
Window Sills	100ug/ft ² (micrograms per square foot of surface)
Windows Wells	100ug/ft ² (micrograms per square foot of surface)

A final inspection will verify that all abatement work, as detailed in the abatement plan, has been completed, and that all of the clearance dust wipe tests results are under state action levels. Verify that all debris and construction materials removed from work areas. The letter of compliance shall then be issued by the Uncas Health District

Lead Management Plan

A lead management plan will need to be written, explaining which areas still have lead-based paint, when and how they will be periodically monitored. The lead management plan must be sent to the Uncas Health District for their approval. The lead management plan will also include all surfaces that have been prepared and painted with an approved encapsulating paint. This will ensure that all current and future owners of this building are aware that even though the existing lead paint is covered and abated according to regulations, there is still lead-based paint under the new encapsulating paint.

The management plan will be written after the abatement is completed, since some changes from this abatement plan may occur, due to field conditions. Any changes, however, must be approved by the Uncas Health District .

Abatement Sheet for
37 Grove St
Norwich, CT 06360

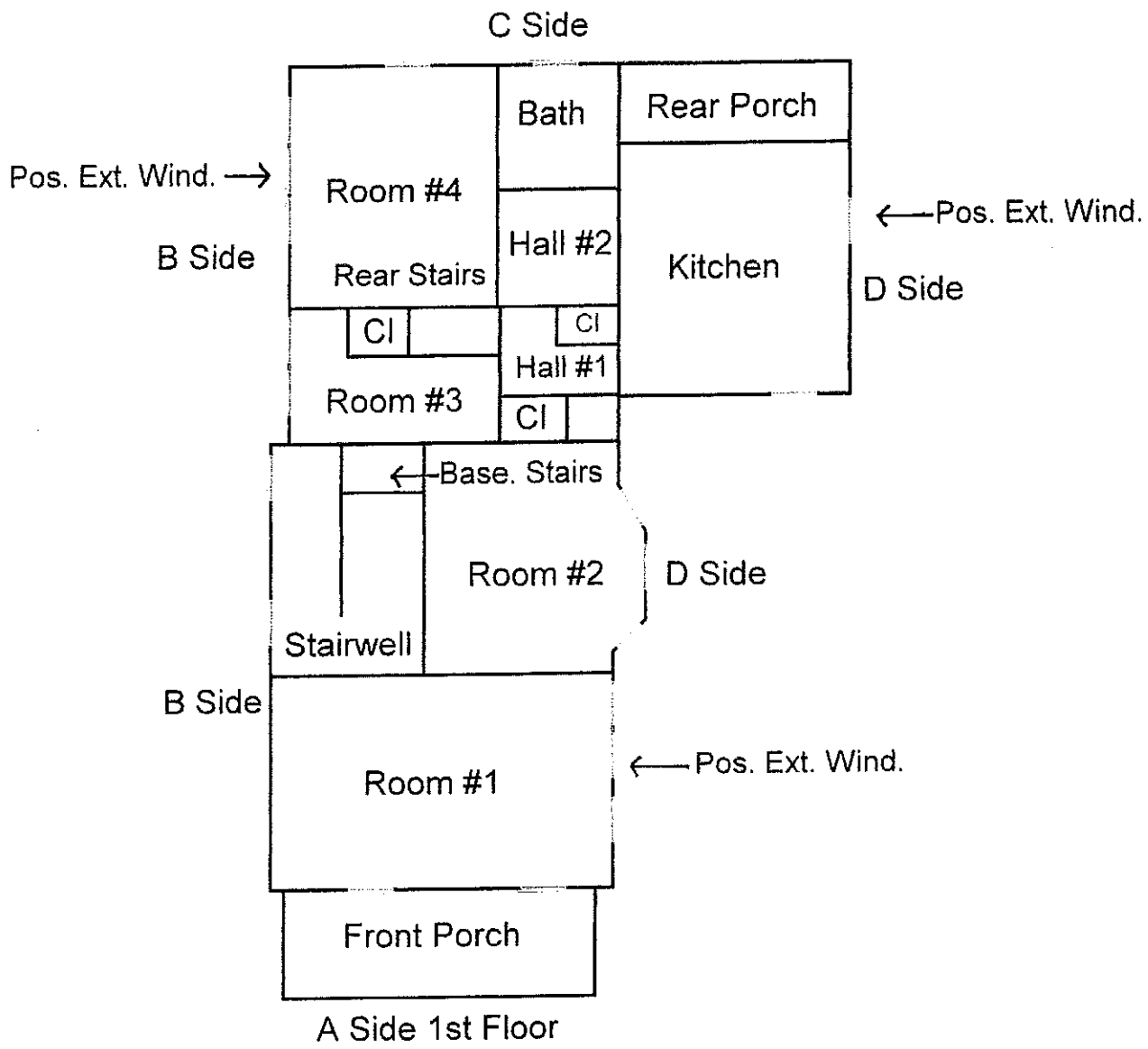
Rooms or Areas	Component, number of components, Substrate	Location	Abatement Method	Comments
Room 1	Picture window sash, 1, wood	D side	Prepare surfaces and paint with an approved encapsulating paint. (prepare and encapsulate)	
Hall	Closet ceiling, all, plaster	A side	Cover with new drywall and tape all seams and edges. Repaint to match existing.	
Note; not all surfaces in this closet were accessible for testing. If additional surfaces appear to be defective while working on the ceiling, notify the lead planner for instructions.				
Bath 2	Door jamb and casing, 1, wood	C side	Replace door jamb and casing with new pre-hung unit to match hall doors..	
	Window sill, casings and aprons, 2 wood	D side	Prepare and encapsulate.	Windows are vinyl
Room 5	Window wells, 3, vinyl	A and B sides	Hepa-vacuum and wash with TSP solution	One well had high Pb levels
Rear Stairs	Stair risers, all, wood	All side A-D	Remove and replace risers with new wood. Alt. cover with ¼ inch wood and band molding at bottom of tread. (but not luan plywood)	
	Stair treads, all, wood	All	Remove and replace all wood treads with new oak treads. Match existing stain and varnish (poly) 2 coats, sand smooth between coats. Treads must be smooth and match the front stairs treads.	
Exterior				
Front Porch, 1 st floor	Columns and bases, 6, wood	A side	Bleach existing columns to remove mildew, allow to dry. Prepare columns and bases to remove defective paint. Prime all bare wood with 2 coats of oil primer, allow for proper drying time between coats. Sand primed areas smooth. Encapsulate with an approve paint, 2 coats.	
	Porch balusters and rail caps, all	A side (B and D also)	Remove and replace with composite or vinyl materials. Meet all building codes for height and spacing.	
	Porch upper trim, all, wood	A side	Cover with aluminum	

Abatement Sheet for, 37 Grove St, Norwich, CT 06360

Rooms or Areas	Component, number of components, Substrate	Location	Abatement Method	Comments
Front Porch, 1 st floor (continued)	Porch floor, all, wood Porch floor Alt. Remove & replace with new lounge & groove (Stain or Paint)	A side	Hepa vacuum, cover floor with roofing paper and cover with ½ inch pressure treated plywood. Paint plywood 2 coats of exterior grade porch paint. Color to be determined by owner. Add appropriate bull-nosing or angle metal at steps.	
	Door jamb, wood	A side	Remove storm door, remove beaded part of jamb and repair damaged leg. Cover jamb with aluminum and add weather strip along door edge. Re-install storm door.	
Front Porch, 2 nd floor	Porch balusters, posts and rail caps, all, wood	A side	Remove and replace with composite or vinyl materials. Meet all building codes for height and spacing.	
Overhang at Kitchen dr.	Overhang upper trim, all, wood	A side	Cover with aluminum	
Exterior	Window picture sash, 1	B side	Add energy panel (storm insert)	
	Overhang brackets, approx. 8	B side	Prepare and encapsulate.	
	Window sash, 2, wood (adjacent to rear basement door)	C side	Replace with a vinyl replacement unit	1 window is currently covered with plywood
	Window sill and casings, 2, wood	C side	Repair as needed and cover with aluminum.	
	Window sill	C side, right	Remove all sand and other material and adjust grade so window sill is at least 8 inches above new grade.	
	Cellar window, 1, wood	C side	Replace sash with vinyl unit. Replace frame and sill with new pressure treated wood. Repair concrete below window sill to make air tight.	
		ALT 2, —	Alt. cover cellar window frame with aluminum. instead of new PT wood.	
	Door jamb, 1, wood (basement)	C side	Cover with aluminum, make air tight with door.	
Rear Porch	Overhang upper trim, all, wood	C side	Cover with aluminum	
Exterior	Cellar window, 1, wood (window currently covered with cardboard)	D side	Replace sash with vinyl unit. Replace frame and sill with new pressure treated wood.	
		ALT 3	Alt. cover cellar window frame with aluminum. instead of new PT wood.	
	Door, door jamb and stop, 1, wood (to basement)	D side	Replace with a new pre-hung door unit.	
	Window picture sash, 1 (to Room 1)	D side	Prepare and encapsulate, Add energy panel (storm insert)	

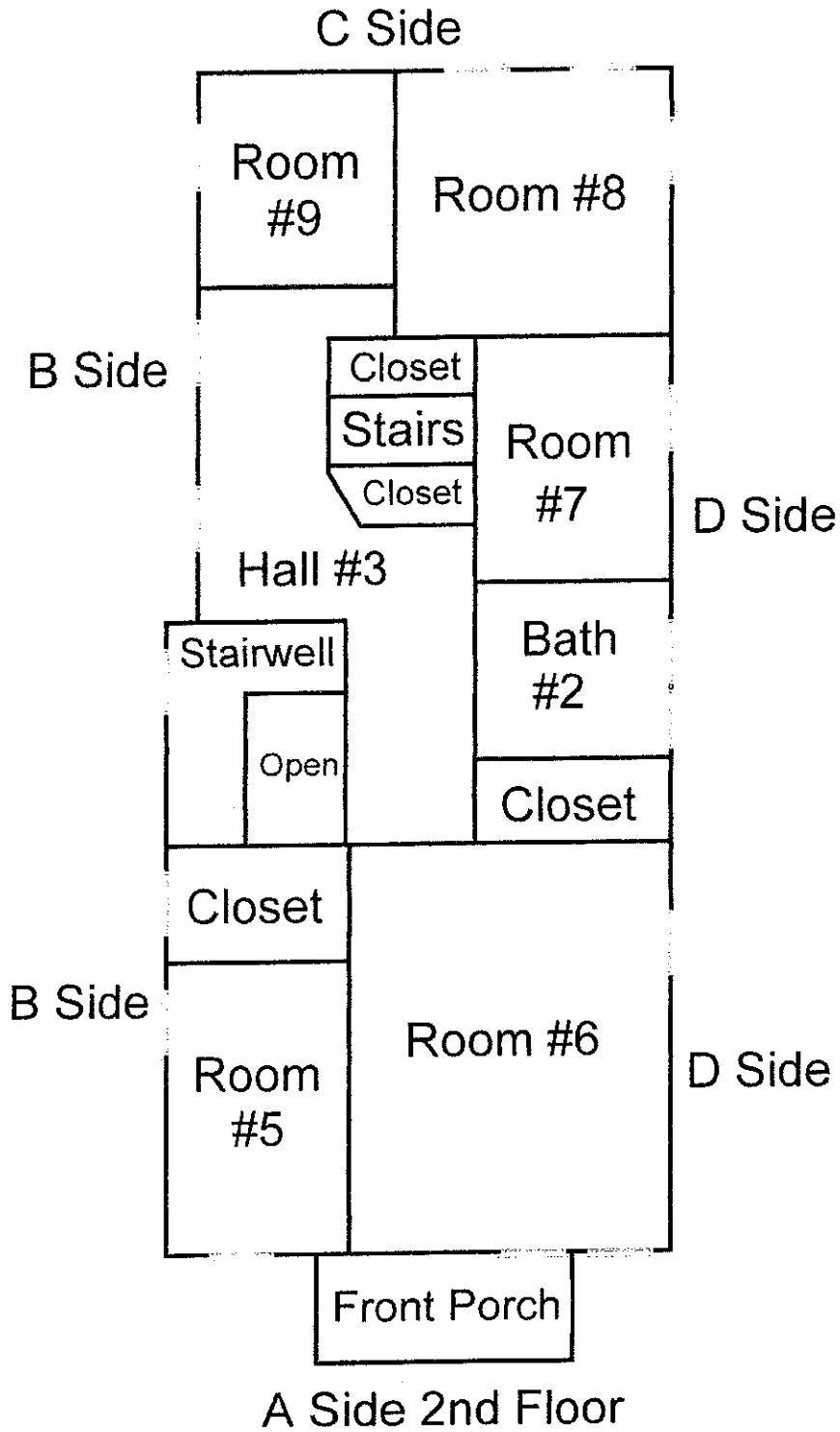
Abatement Sheet for, 37 Grove St, Norwich, CT 06360

Rooms or Areas	Rooms or Areas	Rooms or Areas	Rooms or Areas	Rooms or Areas
	Foundation, all, stone and brick Include A side near kitchen	D side	Remove all paint (at least 95%)	
		<i>ALT-4</i>	Alt. Prepare and encapsulate	
	Triangle window sash (to Kitchen)	D side	Prepare and encapsulate, Add energy panel (storm insert)	
Grounds	Walkway, concrete	B side	Hepa vacuum any paint chips	
	Bare soil (but not under deck)	C side	Hepa vacuum any paint chips and plant grass to cover bare soil with-in 5 feet of house and rear deck.	
	Bare soil	D side	Hepa vacuum any paint chips and add landscape fabric and 4 inches of mulch with-in 3 feet of house or plant grass.	
	Garden	D side	Abandon garden, hepa vacuum any paint chips and add landscape fabric and 4 inches of mulch or plant grass.	
<i>ALT5 —</i>	<p>Alt. remove 4 inches of soil from the garden and to the foundation of the house and replace with new top soil. The new soil must be tested prior to installation and test below 200ppm lead. Or the soil needs to be certified as being "lead safe"</p> <p>It is possible that the removed soil can be buried on site. Or properly dispose of soil off side and provide a manifest.</p>			



37 Grove St, Norwich, CT 06360

Cl = Closet



37 Grove St, Norwich, CT 06360

Connecticut Lead Paint Solutions, LLC

1245 Hebron Avenue
Glastonbury, CT 06033
860-633-3330
CT License #2124
andrew@ctleadpaint.com

Lead Paint Inspections & Testing
Consulting & Cost Analysis
Abatement/Management Plans
Abatement & Clean-up

Lead Paint Inspection Report and Lead Hazard Assessment

Connecticut Lead Consultant and Contractor License #002124
Lead Inspector/Risk Assessor, CT #002179

This report is prepared for;
City of Norwich
Lead Paint Hazard Control Program
23 Union St
Norwich, CT 06360

The property inspected was for;
37 Grove St
Norwich, CT 06360

The testing instrument used is a Niton XLp 300A Lead Paint, Spectrum Analyzer, serial #16387. A reading of 1.0 milligrams lead per square centimeter of surface ($1.0\text{mg}/\text{cm}^2$) or greater is defined as a toxic level of lead, by the State of Connecticut, Dept. of Public Health, Regulations for Lead Poisoning Prevention and Control, 19a-111-1a. The inspection protocol as detailed in Chapter 7 of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012 Revision) was used for this inspection. The testing mode is K+L Spectrum.

At the beginning and end of the inspection, calibration tests are done on known control standards and the readings recorded to ensure the accuracy of the testing device. The calibration lines on the data sheets provides the measured lead concentration of the control standards (in the Condition Column) and whether the lead is at the surface or buried under non-lead paint.

The testing protocol is to test representative samples of various building components or sub-components per room or area. The test result for the representative sample is then applied to the other similar component(s) in that room or area. Refer to the floor plan attach toward the end of this report for the location of the rooms and walls sides (A, B, C, D).

Any lead reading $1.0\text{mg}/\text{cm}^2$ or greater is positive for toxic levels of lead and the line for that reading is in red print on the data sheets.

This comprehensive inspection is for lead in paint primarily. The paint was tested on site. Dust and soil samples were collected for analysis of lead concentrations by accredited laboratories.

The inspection was done on August 15 and September 06, 2017.

The property inspected is a single-family house likely built in or about 1910. All interior rooms or areas in the house were fully inspected. The unfinished basements were not fully inspected.

Most the interior surfaces tested in house were negative for lead-based paint (LBP). Many rooms had no positive surfaces.

Most of the window sashes (the part of the window which contains the glass and is movable) in the house have been replaced with vinyl replacement units. The windows in the 1st floor Bath and the A side Kitchen window are newer wood units which are negative for LBP of both interior and exterior surfaces. There are a few picture windows that are positive for LBP on the exterior.

The exterior of the house is completely covered with vinyl siding and aluminum upper trim. Most the window casings are also aluminum. There are basement windows that have wood window sashes and frames.

Lead in Dust and Soil Assessment

Five dust wipe samples were collected for analysis of lead concentrations by an accredited laboratory. Three of the dust wipe samples collected were under the limits set by HUD for risk assessment testing, therefore passing. Both the window well samples did not pass. The limits must not exceed $10\mu\text{g}/\text{ft}^2$ (micrograms lead per square foot of surface area) for floors and $100\mu\text{g}/\text{ft}^2$ for window sills and wells. These samples were collected in accordance with the collection protocol as stated in the Connecticut Lead Regulations sections 19a-11-3a-3-h2.

Four soil samples were collected for analysis of lead concentrations by an accredited laboratory. They were collected from various locations on C and D sides of the house, the D side garden and the rear yard. Three of the four samples collect were above the action level for soil, which is for level at 400ppm or higher.

The Federal EPA's section 403 Guidelines for soil concentrations are determined by the land use by children. If the area is expected to be used by children, various interim controls to prevent contact between children and contaminated soil are recommended for soil lead levels above 400ppm but less than 5000ppm. Some lead hazard reduction action will be required at this site.

All the test results are detailed on the data sheets for the inspection.

If you have any questions on this report, please do not hesitate to contact me.



Andrew Miller
Lead Inspector/Risk Assessor, CT #002179
September 10, 2017

How to read the data sheets

Starting from the left side column.

Index	The instrument assigns a number to every reading.
Fl.	Floor level
Room	Indicated which room or area was tested. The room or area is also detailed on the floor plan.
Side	The side of the room that faces the street is the A Side, the B side is clockwise to the A wall, the C wall is opposite the A wall and so on. For the exterior the A side is the front facing the street, the B side is clockwise, the C side is the rear ect. See attached floor plan for more details.
Component	Indicates which building component was tested, window, door, wall ect. Many components have sub-components such as a window <i>casing</i> or window <i>sash</i> . If there is more than 1 similar building component on a wall in a room or area, than the component may be further described as being the Lft for left, Ctr for center or Rht for right. This would be as you face the wall.
Substrate	Indicates what building material the component was constructed of. Not always accurate for drywall or plaster walls.
Color	Indicates the color of the test surface. The color selected is influenced by many factors including lighting, contrasting colors, smoke films and others.
Condition	Indicates the condition of the paint film or the substrate. The ratings are as follows; Intact, a paint film with no cracked or peeling paint; Fair, the paint film is cracked or chipped but paint chips can not be picked off; Poor, the paint film is cracked or chipped and paint chips can be picked off; Peeling; the paint film is very loose and can fall off with little or no external effort; Defective-Sub, defective substrate. The worse visible condition is noted. Substrate conditions are only listed if it affects the condition of the paint film.
Result	Indicates the results of that test. Either Positive, equal to or greater than 1.0 milligrams lead per square centimeter of surface ($1.0\text{mg}/\text{cm}^2$) Negative meaning below the action level of $1.0\text{mg}/\text{cm}^2$ or Null if the reading was interrupted and not completed. The incomplete reading is almost always followed by a complete reading from the same surface. All positive reading lines are in color print.
PbC	This is the range of the lead concentration in the dry paint. The testing instrument narrows the reading down to plus or minus from the main (1^{st}) number.

On the data sheets any lead reading $1.0\text{mg}/\text{cm}^2$ or greater is positive for lead-based paint and the line for that reading is in color print. The calibration readings are from the known control standards and not from any painted surface on the property tested. Even a property that has been certified as being “free of lead-based paint” will still have positive calibration readings listed on the report.

37 Grove St, Norwich, CT 06360

Index	FL	ROOM	SIDE	COMPONENT	COLOR	SUBSTRATE	CONDITION	Results	PbC
1				Calibration- Surface			1.53mg/cm ²	Positive	1.50 ± 0.30
2				Calibration- Surface			1.04mg/cm ²	Positive	1.10 ± 0.10
3				Calibration- Surface			1.04mg/cm ²	Positive	1.10 ± 0.10
4				Calibration- Surface			1.04mg/cm ²	Positive	1.00 ± 0.10
5				Calibration- Surface		edited	0.01mg/cm ²	Negative	0.00 ± 0.02
6	1st	Room 1	A	Window Sill Rht	Brown	Wood	Intact	Negative	0.01 ± 0.03
7	1st	Room 1	A	Window Casing	Brown	Wood	Intact	Negative	0.02 ± 0.04
8	1st	Room 1	D	Window Sill Cr	Brown	Wood	Intact	Negative	0.04 ± 0.07
9	1st	Room 1	D	Window Casing	Brown	Wood	Intact	Negative	0.00 ± 0.02
10	1st	Room 1	D	Window Sash Int.	Yellow	Wood	Intact	Positive	9.80 ± 4.90
11	1st	Room 1	A	Door	Brown	Wood	Intact	Negative	0.00 ± 0.02
12	1st	Room 1	A	Door Jamb	Brown	Wood	Intact	Negative	0.01 ± 0.03
13	1st	Room 1	A	Door Casing	Brown	Wood	Intact	Negative	0.00 ± 0.03
14	1st	Room 1	C	Opening Casing Lft	Brown	Wood	Intact	Negative	0.00 ± 0.02
15	1st	Room 1	C	Column	Brown	Wood	Intact	Negative	0.00 ± 0.02
16	1st	Room 1	B	Fireplace Mantel	Brown	Wood	Intact	Negative	0.12 ± 0.14
17	1st	Room 1	B	Baseboard	Brown	Wood	Intact	Negative	0.00 ± 0.02
18	1st	Room 1	D	Radiator	Silver	Metal	Fair	Negative	0.01 ± 0.06
19	1st	Room 1	A	Wall	Purple	Plaster	Intact	Negative	0.00 ± 0.02
20	1st	Room 1	B	Wall	Purple	Plaster	Intact	Negative	0.00 ± 0.02
21	1st	Room 1	C	Wall	Purple	Plaster	Intact	Negative	0.00 ± 0.02
22	1st	Room 1	D	Wall	Purple	Plaster	Intact	Negative	0.00 ± 0.02
23	1st	Room 1	A	Ceiling	White	Plaster	Intact	Negative	0.00 ± 0.02
24	1st	Room 1	A	Floor	Brown	Wood	Intact	Negative	0.00 ± 0.02
25	1st	Room 1	A	Post	Purple	Wood	Intact	Negative	0.00 ± 0.02
26	1st	Room 1	C	Door	Brown	Wood	Intact	Negative	0.00 ± 0.02
27	1st	Room 2	D	Window Sill Rht	Brown	Wood	Intact	Negative	0.03 ± 0.05
28	1st	Room 2	D	Window Casing	Brown	Wood	Intact	Negative	0.01 ± 0.02
29	1st	Room 2	D	Window Casing Lft	Brown	Wood	Intact	Negative	0.00 ± 0.02
30	1st	Room 2	B	Door	White	Wood	Intact	Negative	0.00 ± 0.02
31	1st	Room 2	B	Door Jamb	Brown	Wood	Intact	Negative	0.00 ± 0.02
32	1st	Room 2	C	Door	White	Wood	Intact	Negative	0.00 ± 0.02
33	1st	Room 2	C	Door Casing	Brown	Wood	Intact	Negative	0.00 ± 0.02
34	1st	Room 2	C	Door Threshold	White	Wood	Fair	Negative	0.01 ± 0.03
35	1st	Room 2	A	Door Casing	Brown	Wood	Intact	Negative	0.01 ± 0.03
36	1st	Room 2	A	Baseboard	White	Wood	Intact	Negative	0.02 ± 0.08
37	1st	Room 2	C	Baseboard	White	Wood	Intact	Negative	0.01 ± 0.05
38	1st	Room 2	C	Radiator	Silver	Metal	Intact	Negative	0.03 ± 0.10
39	1st	Room 2	A	Wall	Pink	Plaster	Intact	Negative	0.00 ± 0.02
41	1st	Room 2	B	Wall	Pink	Plaster	Intact	Negative	0.03 ± 0.07
42	1st	Room 2	C	Wall	Pink	Plaster	Intact	Negative	0.00 ± 0.02
43	1st	Room 2	D	Wall	Pink	Plaster	Intact	Negative	0.00 ± 0.02
44	1st	Room 2	A	Ceiling	White	Drywall	Intact	Negative	0.00 ± 0.02
45	1st	Room 2	B	Floor	Brown	Wood	Intact	Negative	0.00 ± 0.02
46	1st	Room 3	B	Window Sill	White	Wood	Intact	Negative	0.01 ± 0.03
47	1st	Room 3	B	Window Casing	White	Wood	Intact	Negative	0.00 ± 0.02
48	1st	Room 3	A	Door (to Base.)	White	Wood	Intact	Negative	0.01 ± 0.04
49	1st	Room 3	A	Door Jamb	White	Wood	Intact	Negative	0.10 ± 0.31
50	1st	Room 3	A	Door Casing	White	Wood	Intact	Negative	0.02 ± 0.05

Index	FL	ROOM	SIDE	COMPONENT	COLOR	SUBSTRATE	CONDITION	Results	PbC
51	1st	Room 3	A	Door Lft	White	Wood	Intact	Negative	0.00 ± 0.02
52	1st	Room 3	A	Door Casing	White	Wood	Intact	Negative	0.01 ± 0.04
53	1st	Room 3	C	Door Casing	White	Wood	Intact	Negative	0.03 ± 0.09
54	1st	Room 3	C	Radiator	White	Metal	Intact	Negative	0.01 ± 0.02
55	1st	Room 3	D	Opening Jamb	White	Wood	Fair	Negative	0.00 ± 0.02
56	1st	Room 3	D	Opening Threshold	White	Wood	Fair	Negative	0.00 ± 0.02
57	1st	Room 3	A	Wall	Wallpaper	Plaster	Intact	Negative	0.00 ± 0.02
58	1st	Room 3	B	Wall	Wallpaper	Plaster	Intact	Negative	0.00 ± 0.02
59	1st	Room 3	C	Wall Rht	Wallpaper	Plaster	Fair	Negative	0.00 ± 0.02
60	1st	Room 3	D	Wall Rht	Wallpaper	Plaster	Intact	Negative	0.00 ± 0.02
61	1st	Room 3	C	Ceiling	White	Plaster	Intact	Negative	0.00 ± 0.02
62	1st	Hall	A	Closet Door	White	Wood	Intact	Negative	0.11 ± 0.23
63	1st	Hall	A	Closet Casing	White	Wood	Intact	Negative	0.11 ± 0.33
64	1st	Hall	A	Closet Jamb	White	Wood	Defective	Negative	0.40 ± 0.40
65	1st	Hall	A	Closet Wall	White	Wood	Intact	Positive	1.90 ± 0.80
66	1st	Hall	A	Closet Wall	White	Wood	Intact	Positive	1.80 ± 0.70
67	1st	Hall	A	Closet Ceiling	White	Wood	Defective	Positive	1.70 ± 0.50
68	1st	Hall	A	Closet Casing B	White	Wood	Intact	Negative	0.12 ± 0.20
69	1st	Hall	A	Closet Floor	Brown	Wood	Intact	Negative	0.01 ± 0.02
70	1st	Hall	B	Opening Casing	White	Wood	Intact	Negative	0.09 ± 0.26
71	1st	Hall	D	Opening Jamb	White	Wood	Intact	Negative	0.00 ± 0.02
72	1st	Hall	A	Baseboard	White	Wood	Intact	Negative	0.06 ± 0.21
73	1st	Hall	A	Wall	Green	Plaster	Intact	Negative	0.08 ± 0.08
74	1st	Hall	B	Wall - Upper	Green	Plaster	Intact	Negative	0.05 ± 0.86
75	1st	Hall	C	Wall	Green	Plaster	Intact	Negative	0.02 ± 0.03
76	1st	Hall	C	Ceiling	White	Plaster	Intact	Negative	0.09 ± 0.09
77	1st	Kitchen	A	Window Sill	White	Wood	Intact	Negative	0.00 ± 0.02
78	1st	Kitchen	A	Window Casing	White	Wood	Intact	Negative	0.00 ± 0.02
79	1st	Kitchen	A	Window Sash Int.	Unpainted	Wood	Intact	Negative	0.00 ± 0.02
80	1st	Kitchen	A	Window Sash Ext.	White	Wood	Fair	Negative	0.00 ± 0.02
81	1st	Kitchen	A	Door	White	Metal	Intact	Negative	0.00 ± 0.02
82	1st	Kitchen	A	Door Casing	White	Wood	Intact	Negative	0.00 ± 0.02
83	1st	Kitchen	A	Door Jamb	White	Wood	Intact	Negative	0.00 ± 0.02
84	1st	Kitchen	A	Door Casing	White	Wood	Intact	Negative	0.00 ± 0.02
85	1st	Kitchen	C	Door	White	Metal	Intact	Negative	0.00 ± 0.02
86	1st	Kitchen	C	Door Casing	White	Wood	Intact	Negative	0.00 ± 0.02
87	1st	Kitchen	C	Door Jamb	White	Wood	Intact	Negative	0.00 ± 0.02
88	1st	Kitchen	B	Opening Jamb Rht	White	Wood	Intact	Negative	0.00 ± 0.02
89	1st	Kitchen	B	Closet Door	White	Wood	Intact	Negative	0.00 ± 0.02
90	1st	Kitchen	B	Closet Jamb	White	Wood	Intact	Negative	0.18 ± 0.29
91	1st	Kitchen	B	Closet Jamb	Brown	Wood	Intact	Negative	0.01 ± 0.03
92	1st	Kitchen	B	Closet Shelf Up	Brown	Wood	Intact	Negative	0.01 ± 0.06
93	1st	Kitchen	B	Closet Cleat	Brown	Wood	Intact	Negative	0.00 ± 0.02
94	1st	Kitchen	B	Closet Baseboard	Brown	Wood	Intact	Negative	0.04 ± 0.13
95	1st	Kitchen	B	Closet Floor	Brown	Wood	Intact	Negative	0.00 ± 0.02
96	1st	Kitchen	B	Closet Wall	White	Plaster	Intact	Negative	0.00 ± 0.02
97	1st	Kitchen	B	Closet Ceiling	White	Plaster	Fair	Negative	0.00 ± 0.02
98	1st	Kitchen	B	Door Casing Up	Green	Wood	Intact	Negative	0.00 ± 0.02
99	1st	Kitchen	B	Door Up	Brown	Wood	Intact	Negative	0.03 ± 0.07

Index	FL	ROOM	SIDE	COMPONENT	COLOR	SUBSTRATE	CONDITION	Results	PbC
100	1st	Kitchen	D	Window Sash Upc	White	Wood	Intact	Positive	11.80 ± 5.70
101	1st	Kitchen	D	Window Casing	White	Wood	Intact	Negative	0.00 ± 0.02
102	1st	Kitchen	A	Baseboard	White	Wood	Intact	Negative	0.00 ± 0.02
103	1st	Kitchen	A	Radiator	Silver	Metal	Fair	Negative	0.01 ± 0.05
104	1st	Kitchen	B	Opening Jamb Lft	White	Wood	Intact	Negative	0.00 ± 0.02
105	1st	Kitchen	B	Opening Threshold	Brown	Wood	Intact	Negative	0.04 ± 0.05
106	1st	Kitchen	B	Opening Casing	Green	Wood	Intact	Negative	0.00 ± 0.02
107	1st	Kitchen	A	Wall	Green	Drywall	Intact	Negative	0.02 ± 0.10
108	1st	Kitchen	B	Wall	Green	Drywall	Intact	Negative	0.00 ± 0.02
109	1st	Kitchen	C	Wall	Green	Drywall	Intact	Negative	0.00 ± 0.02
110	1st	Kitchen	D	Wall	Green	Drywall	Intact	Negative	0.00 ± 0.02
111	1st	Kitchen	C	Cabinet Door Lwr	Varnish	Wood	Intact	Negative	0.00 ± 0.02
112	1st	Kitchen	C	Cabinet Body	Varnish	Wood	Intact	Negative	0.00 ± 0.02
113	1st	Kitchen	D	Cabinet Door Upc	Varnish	Wood	Intact	Negative	0.00 ± 0.02
114	1st	Bath	C	Window Sill	White	Wood	Intact	Negative	0.00 ± 0.02
115	1st	Bath	C	Window Casing	White	Wood	Intact	Negative	0.00 ± 0.02
116	1st	Bath	C	Window Sash Int.	White	Wood	Intact	Negative	0.00 ± 0.02
117	1st	Bath	A	Door	Bone	Wood	Fair	Negative	0.00 ± 0.02
118	1st	Bath	A	Door Jamb	White	Wood	Intact	Negative	0.00 ± 0.02
119	1st	Bath	B	Cabinet Door Lwr	White	Wood	Intact	Negative	0.00 ± 0.02
120	1st	Bath	D	Closet Shelf	Pink	Wood	Intact	Negative	0.01 ± 0.07
121	1st	Bath	D	Closet Shelf	Pink	Wood	Intact	Negative	0.00 ± 0.02
122	1st	Bath	D	Closet Wall	Pink	Drywall	Intact	Negative	0.00 ± 0.02
123	1st	Bath	A	Wall - Upper	Pink	Drywall	Intact	Negative	0.00 ± 0.02
124	1st	Bath	B	Wall - Upper	Pink	Drywall	Intact	Negative	0.00 ± 0.02
125	1st	Bath	C	Wall - Upper	Pink	Drywall	Intact	Negative	0.00 ± 0.02
126	1st	Bath	C	Ceiling	White	Drywall	Intact	Positive	8.20 ± 1.60
127	1st	Room 4	B	Window Sill Rht	White	Wood	Intact	Negative	0.03 ± 0.05
128	1st	Room 4	B	Window Casing	White	Wood	Intact	Negative	0.00 ± 0.02
129	1st	Room 4	C	Window Casing	White	Wood	Intact	Negative	0.00 ± 0.02
130	1st	Room 4	B	Window Casing Lft	White	Wood	Intact	Negative	0.04 ± 0.12
131	1st	Room 4	B	Window Sash Int.	White	Wood	Intact	Negative	0.50 ± 0.10
132	1st	Room 4	A	Door	White	Wood	Intact	Negative	0.00 ± 0.02
133	1st	Room 4	A	Door Casing	White	Wood	Intact	Negative	0.00 ± 0.02
134	1st	Room 4	A	Closet Door	White	Wood	Intact	Negative	0.00 ± 0.02
136	1st	Room 4	A	Closet Jamb	White	Wood	Intact	Negative	0.00 ± 0.03
137	1st	Room 4	A	Closet Wall	White	Plaster	Intact	Negative	0.00 ± 0.02
138	1st	Room 4	A	Closet Wall	White	Plaster	Intact	Negative	0.00 ± 0.02
139	1st	Room 4	D	Door	Unpainted	Wood	Intact	Negative	0.00 ± 0.02
140	1st	Room 4	D	Door Jamb	White	Wood	Fair	Negative	0.00 ± 0.02
141	1st	Room 4	D	Door Casing	White	Wood	Fair	Negative	0.01 ± 0.05
142	1st	Room 4	B	Baseboard	White	Wood	Intact	Negative	0.00 ± 0.02
143	1st	Room 4	C	Radiator	Silver	Metal	Fair	Negative	0.01 ± 0.02
144	1st	Room 4	C	Chair Rail	Whitew	Wood	Intact	Negative	0.01 ± 0.03
145	1st	Room 4	B	Wall - Lower	Brown	Wood	Intact	Negative	0.03 ± 0.08
146	1st	Room 4	C	Wall - Lower	Brown	Wood	Intact	Negative	0.01 ± 0.02
147	1st	Room 4	A	Wall - Lower	Brown	Wood	Intact	Negative	0.03 ± 0.13
148	1st	Room 4	A	Wall - Upper	Purple	Plaster	Intact	Negative	0.00 ± 0.02
149	1st	Room 4	B	Wall - Upper	Purple	Plaster	Intact	Null	0.00 ± 0.02

Index	FL	ROOM	SIDE	COMPONENT	COLOR	SUBSTRATE	CONDITION	Results	PbC
150	1st	Room 4	B	Wall - Upper	Purple	Plaster	Intact	Negative	0.00 ± 0.02
151	1st	Room 4	C	Wall - Upper	Purple	Plaster	Intact	Negative	0.00 ± 0.02
152	1st	Room 4	D	Wall - Upper	Purple	Plaster	Intact	Negative	0.00 ± 0.02
153	1st	Room 4	D	Chair Rail	White	Wood	Intact	Negative	0.00 ± 0.02
154	1st	Room 4	D	Ceiling	White	Plaster	Poor	Negative	0.15 ± 0.08
155	1st	Hall 2	C	Door	Bone	Wood	Intact	Negative	0.00 ± 0.02
156	1st	Hall 2	C	Door Jamb	White	Wood	Intact	Negative	0.00 ± 0.02
157	1st	Hall 2	B	Door	Unpainted	Wood	Damaged	Negative	0.00 ± 0.02
158	1st	Hall 2	B	Door Jamb	White	Wood	Intact	Negative	0.00 ± 0.02
159	1st	Hall 2	B	Pipe	White	Metal	Intact	Positive	1.80 ± 0.70
160	1st	Hall 2	B	Pipe	White	Metal	Intact	Positive	2.00 ± 0.70
161	1st	Hall 2	A	Wall	Green	Drywall	Intact	Negative	0.00 ± 0.02
162	1st	Hall 2	B	Wall	Green	Drywall	Intact	Negative	0.00 ± 0.02
163	1st	Hall 2	C	Wall	Green	Drywall	Intact	Negative	0.00 ± 0.02
164	1st	Hall 2	D	Wall	Green	Drywall	Intact	Negative	0.00 ± 0.02
165	1st	Hall 2	D	Ceiling	White	Drywall	Intact	Positive	7.40 ± 1.40
166	1st	Hall 2	D	Ceiling	White	Drywall	Intact	Positive	8.80 ± 4.20
167	1st	Hall 2	B	Ceiling	White	Drywall	Intact	Positive	7.50 ± 3.70
168	1st	Stairwell	B	Window Sill	Brown	Wood	Intact	Negative	0.10 ± 0.12
169	1st	Stairwell	B	Window Casing	Brown	Wood	Intact	Negative	0.01 ± 0.06
170	1st	Stairwell	B	Stair Stringer	Brown	Wood	Intact	Negative	0.00 ± 0.02
171	1st	Stairwell	C	Stair Riser	Brown	Wood	Intact	Negative	0.00 ± 0.02
172	1st	Stairwell	C	Stair Tread	Brown	Wood	Intact	Negative	0.00 ± 0.02
173	1st	Stairwell	Cr	Stair Baluster	Brown	Wood	Intact	Negative	0.00 ± 0.02
174	1st	Stairwell	Cr	Stair Railing	Brown	Wood	Intact	Negative	0.00 ± 0.02
175	1st	Stairwell	A	Stair Wallcasing	Brown	Wood	Intact	Negative	0.00 ± 0.02
176	1st	Stairwell	D	Door Casing	Brown	Wood	Intact	Negative	0.02 ± 0.08
177	1st	Stairwell	D	Door	White	Wood	Intact	Negative	0.00 ± 0.02
178	1st	Stairwell	A	Wall	Blue	Plaster	Intact	Negative	0.00 ± 0.02
179	1st	Stairwell	B	Wall	Blue	Plaster	Intact	Negative	0.00 ± 0.02
180	1st	Stairwell	C	Wall	Blue	Plaster	Intact	Negative	0.00 ± 0.02
181	1st	Stairwell	D	Wall	Blue	Plaster	Intact	Negative	0.00 ± 0.02
182	1st	Stairwell	A	Ceiling	White	Plaster	Intact	Negative	0.00 ± 0.02
183	2nd	Stairwell	B	Window Sill	Brown	Wood	Intact	Negative	0.13 ± 0.15
184	2nd	Hall 3	A	Door	White	Wood	Intact	Negative	0.00 ± 0.02
185	2nd	Hall 3	A	Door Casing	White	Wood	Intact	Negative	0.03 ± 0.11
186	2nd	Hall 3	D	Closet Door	Brown	Wood	Intact	Negative	0.01 ± 0.03
187	2nd	Hall 3	D	Closet Casing	White	Wood	Intact	Negative	0.01 ± 0.03
188	2nd	Hall 3	D	Closet Wall	Blue	Plaster	Intact	Negative	0.02 ± 0.04
189	2nd	Hall 3	D	Closet Cleat	Blue	Wood	Intact	Negative	0.05 ± 0.09
190	2nd	Hall 3	D	Door Rht	White	Wood	Fair	Negative	0.01 ± 0.03
191	2nd	Hall 3	D	Door Casing	White	Wood	Intact	Negative	0.01 ± 0.03
192	2nd	Hall 3	D	Door Threshold	Brown	Wood	Intact	Negative	0.03 ± 0.08
193	2nd	Hall 3	D	Door Cr	White	Wood	Intact	Negative	0.00 ± 0.02
194	2nd	Hall 3	D	Door Jamb	Blue	Wood	Fair	Negative	0.03 ± 0.06
195	2nd	Hall 3	D	Door Casing	White	Wood	Intact	Negative	0.04 ± 0.11
196	2nd	Hall 3	D	Door Lft	White	Wood	Intact	Negative	0.00 ± 0.02
198	2nd	Hall 3	D	Door Casing	White	Wood	Fair	Negative	0.05 ± 0.09
199	2nd	Hall 3	C	Door	White	Wood	Intact	Negative	0.03 ± 0.06
								Negative	0.00 ± 0.02

Index	FL	ROOM	SIDE	COMPONENT	COLOR	SUBSTRATE	CONDITION	Results	PbC
200	2nd	Hall 3	C	Door Jamb	White	Wood	Fair	Negative	0.04 ± 0.09
201	2nd	Hall 3	C	Door Threshold	Brown	Wood	Intact	Negative	0.03 ± 0.07
202	2nd	Hall 3	B	Window Sill Rht	White	Wood	Intact	Negative	0.08 ± 0.19
203	2nd	Hall 3	B	Window Casing	White	Wood	Intact	Negative	0.01 ± 0.03
204	2nd	Hall 3	B	Window Sill Lft	Brown	Wood	Intact	Null	0.50 ± 0.50
205	2nd	Hall 3	B	Window Sill Lft	Brown	Wood	Intact	Negative	0.00 ± 0.02
206	2nd	Hall 3	C	Baseboard	White	Wood	Intact	Negative	0.08 ± 0.04
207	2nd	Hall 3	D	Baseboard	White	Wood	Intact	Negative	0.04 ± 0.06
208	2nd	Hall 3	A	Wall Lft	Blue	Plaster	Intact	Negative	0.00 ± 0.02
209	2nd	Hall 3	B	Wall Rht	Blue	Plaster	Intact	Negative	0.01 ± 0.02
210	2nd	Hall 3	C	Wall Rht	Blue	Plaster	Intact	Negative	0.00 ± 0.02
211	2nd	Hall 3	D	Wall Rht	Blue	Plaster	Intact	Negative	0.00 ± 0.02
212	2nd	Hall 3	A	Ceiling	White	Plaster	Intact	Negative	0.00 ± 0.02
213	2nd	Hall 3	C	Ceiling	White	Plaster	Intact	Negative	0.00 ± 0.02
214	2nd	Hall 3	C	Ceiling Trim	White	Wood	Intact	Negative	0.00 ± 0.02
215	2nd	Hall 3	C	Attic Cover Trim	White	Wood	Intact	Positive	17.60 ± 6.00
216	2nd	Hall 3	C	Attic Cover	White	Wood	Intact	Positive	12.10 ± 5.60
217	2nd	Hall 3	C	Floor	Brown	Wood	Intact	Negative	0.00 ± 0.02
218	2nd	Bath 2	D	Window Sill Lft	White	Wood	Intact	Positive	14.20 ± 4.50
219	2nd	Bath 2	D	Window Casing	White	Wood	Intact	Positive	11.80 ± 5.70
220	2nd	Bath 2	D	Window Sill Rht	White	Wood	Intact	Positive	15.10 ± 6.50
221	2nd	Bath 2	B	Door	White	Wood	Fair	Negative	0.01 ± 0.03
222	2nd	Bath 2	B	Door Casing	White	Wood	Fair	Positive	11.10 ± 5.40
223	2nd	Bath 2	B	Door Jamb	White	Wood	Poor	Positive	8.90 ± 4.80
224	2nd	Bath 2	B	Door	White	Wood	Poor	Negative	0.01 ± 0.02
225	2nd	Bath 2	A	Cabinet Door Lwr	Brown	Wood	Fair	Negative	0.00 ± 0.02
226	2nd	Bath 2	A	Radiator	Pink	Metal	Intact	Negative	0.01 ± 0.06
227	2nd	Bath 2	A	Wall - Upper	Beige	Plaster	Intact	Positive	12.50 ± 6.10
228	2nd	Bath 2	B	Wall - Upper	Beige	Plaster	Intact	Positive	11.40 ± 4.90
229	2nd	Bath 2	C	Wall - Upper	Beige	Plaster	Intact	Positive	12.50 ± 6.40
230	2nd	Bath 2	D	Wall - Upper	Beige	Plaster	Intact	Positive	10.80 ± 5.00
231	2nd	Bath 2	A	Ceiling	White	Plaster	Intact	Negative	0.00 ± 0.02
232	2nd	Room 5	A	Window Sill Rht	White	Wood	Intact	Negative	0.07 ± 0.14
233	2nd	Room 5	A	Window Casing	White	Wood	Intact	Negative	0.04 ± 0.06
234	2nd	Room 5	A	Window Sill Lft	White	Wood	Intact	Negative	0.01 ± 0.02
235	2nd	Room 5	A	Window Casing	White	Wood	Intact	Negative	0.09 ± 0.13
236	2nd	Room 5	B	Window Sill	White	Wood	Intact	Negative	0.23 ± 0.08
237	2nd	Room 5	B	Window Casing	White	Wood	Intact	Negative	0.06 ± 0.07
238	2nd	Room 5	D	Opening Casing	White	Wood	Intact	Negative	0.04 ± 0.05
239	2nd	Room 5	D	Opening Jamb	White	Wood	Fair	Negative	0.05 ± 0.10
240	2nd	Room 5	C	Closet Casing	White	Wood	Intact	Negative	0.05 ± 0.08
241	2nd	Room 5	C	Closet Threshold	Brown	Wood	Intact	Negative	0.01 ± 0.02
242	2nd	Room 5	C	Closet Wall	Brown	Wood	Intact	Negative	0.00 ± 0.02
243	2nd	Room 5	C	Closet Cleat	Brown	Wood	Intact	Negative	0.02 ± 0.05
244	2nd	Room 5	C-B	Closet Wnd. Casing	Brown	Wood	Intact	Negative	0.10 ± 0.04
245	2nd	Room 5	D	Baseboard	White	Wood	Intact	Negative	0.04 ± 0.07
246	2nd	Room 5	D	Radiator	Silver	Metal	Intact	Negative	0.01 ± 0.02
247	2nd	Room 5	B	Baseboard	White	Wood	Intact	Negative	0.06 ± 0.04
248	2nd	Room 5	A	Wall	Blue	Plaster	Damaged	Negative	0.02 ± 0.04

Index	FL	ROOM	SIDE	COMPONENT	COLOR	SUBSTRATE	CONDITION	Results	PbC
250	2nd	Room 5	B	Wall Lft	Blue	Plaster	Intact	Negative	0.04 ± 0.06
251	2nd	Room 5	C	Wall	Blue	Plaster	Intact	Negative	0.03 ± 0.05
252	2nd	Room 5	D	Wall	Blue	Plaster	Intact	Negative	0.01 ± 0.02
253	2nd	Room 5	D	Ceiling	White	Plaster	Intact	Negative	0.00 ± 0.02
254	2nd	Room 5	D	Floor	Brown	Wood	Intact	Negative	0.01 ± 0.03
255	2nd	Room 6	A	Window Sill	White	Wood	Intact	Negative	0.04 ± 0.13
256	2nd	Room 6	A	Window Sill	White	Wood	Intact	Negative	0.01 ± 0.02
257	2nd	Room 6	A	Window Casing	White	Wood	Intact	Negative	0.02 ± 0.03
258	2nd	Room 6	D	Window Casing	White	Wood	Intact	Negative	0.02 ± 0.02
259	2nd	Room 6	D	Window Sill	White	Wood	Intact	Negative	0.01 ± 0.04
260	2nd	Room 6	A	Door	White	Metal	Intact	Negative	0.00 ± 0.02
261	2nd	Room 6	A	Door Jamb	White	Wood	Intact	Negative	0.00 ± 0.02
262	2nd	Room 6	A	Door Casing	White	Wood	Intact	Negative	0.02 ± 0.04
263	2nd	Room 6	C	Door	White	Wood	Intact	Negative	0.00 ± 0.02
264	2nd	Room 6	C	Door Jamb	White	Wood	Intact	Negative	0.04 ± 0.06
265	2nd	Room 6	C	Door Casing	White	Wood	Intact	Negative	0.01 ± 0.05
266	2nd	Room 6	B	Opening Casing	White	Wood	Intact	Negative	0.07 ± 0.12
267	2nd	Room 6	B	Baseboard	White	Wood	Intact	Negative	0.06 ± 0.11
268	2nd	Room 6	D	Baseboard	White	Wood	Intact	Negative	0.09 ± 0.22
269	2nd	Room 6	D	Baseboard	White	Wood	Intact	Negative	0.20 ± 0.40
270	2nd	Room 6	B	Radiator	Silver	Metal	Intact	Negative	0.01 ± 0.02
271	2nd	Room 6	A	Wall	Blue	Plaster	Intact	Negative	0.40 ± 0.50
272	2nd	Room 6	B	Wall	Blue	Plaster	Intact	Negative	0.03 ± 0.04
273	2nd	Room 6	C	Wall	Blue	Plaster	Intact	Negative	0.08 ± 0.17
274	2nd	Room 6	D	Wall	Blue	Plaster	Intact	Negative	0.06 ± 0.08
275	2nd	Room 6	C	Ceiling	White	Plaster	Intact	Negative	0.04 ± 0.08
276	2nd	Room 6	C	Floor	Varnish	Wood	Intact	Negative	0.00 ± 0.02
277	2nd	Room 6	A	Window Casing Rht	White	Wood	Intact	Negative	0.06 ± 0.06
278	2nd	Room 7	D	Window Sill	Off-White	Wood	Intact	Negative	0.05 ± 0.16
279	2nd	Room 7	D	Window Casing	Off-White	Wood	Intact	Negative	0.02 ± 0.03
280	2nd	Room 7	B	Door	White	Wood	Intact	Negative	0.00 ± 0.02
281	2nd	Room 7	B	Door Casing	Green	Wood	Intact	Negative	0.02 ± 0.03
282	2nd	Room 7	B	Closet Door	Green	Wood	Intact	Negative	0.03 ± 0.05
283	2nd	Room 7	B	Closet Jamb	White	Wood	Intact	Negative	0.03 ± 0.05
284	2nd	Room 7	B	Closet Threshold	White	Wood	Intact	Negative	0.02 ± 0.04
285	2nd	Room 7	B	Closet Cleat	Green	Wood	Intact	Negative	0.05 ± 0.08
286	2nd	Room 7	B	Closet Wall	Green	Plaster	Intact	Negative	0.00 ± 0.02
287	2nd	Room 7	B	Closet Wall	Green	Plaster	Intact	Negative	0.00 ± 0.02
288	2nd	Room 7	B	Closet Baseboard	Green	Wood	Intact	Negative	0.06 ± 0.17
289	2nd	Room 7	B	Closet Floor	Brown	Wood	Intact	Negative	0.00 ± 0.02
290	2nd	Room 7	C	Door	Green	Wood	Intact	Negative	0.08 ± 0.18
291	2nd	Room 7	C	Door Casing	Green	Wood	Intact	Negative	0.02 ± 0.04
292	2nd	Room 7	D	Door	Green	Wood	Intact	Negative	0.04 ± 0.15
293	2nd	Room 7	D	Door Casing	Green	Wood	Intact	Negative	0.04 ± 0.06
294	2nd	Room 7	A	Access Door Trim	Green	Wood	Intact	Negative	0.05 ± 0.24
295	2nd	Room 7	A	Access Casing	Green	Wood	Intact	Negative	0.01 ± 0.04
296	2nd	Room 7	B	Baseboard	Green	Wood	Intact	Negative	0.04 ± 0.08
297	2nd	Room 7	D	Baseboard	Green	Wood	Intact	Negative	0.03 ± 0.05
298	2nd	Room 7	A	Wall	Blue	Plaster	Intact	Negative	0.00 ± 0.02

Index	FL	ROOM	SIDE	COMPONENT	COLOR	SUBSTRATE	CONDITION	Results	PbC
299	2nd	Room 7	B	Wall	Blue	Plaster	Intact	Negative	0.00 ± 0.02
300	2nd	Room 7	C	Wall	Blue	Plaster	Intact	Negative	0.00 ± 0.02
301	2nd	Room 7	D	Wall	Blue	Plaster	Intact	Negative	0.01 ± 0.02
302	2nd	Room 7	A	Ceiling	White	Plaster	Intact	Negative	0.05 ± 0.07
303	2nd	Room 7	B	Ceiling Trim	Blue	Wood	Intact	Negative	0.05 ± 0.15
304	2nd	Room 8	C	Window Sill Lft	Lavender	Wood	Intact	Negative	0.01 ± 0.03
305	2nd	Room 8	C	Window Casing	Lavender	Wood	Intact	Negative	0.03 ± 0.08
306	2nd	Room 8	C	Window Sill Rht	Lavender	Wood	Intact	Negative	0.06 ± 0.11
307	2nd	Room 8	D	Window Sill	Lavender	Wood	Intact	Negative	0.02 ± 0.08
308	2nd	Room 8	D	Window Casing	Lavender	Wood	Intact	Negative	0.04 ± 0.10
309	2nd	Room 8	B	Door	White	Wood	Intact	Negative	0.00 ± 0.02
310	2nd	Room 8	B	Door Jamb	White	Wood	Poor	Negative	0.07 ± 0.15
311	2nd	Room 8	A	Door	Lavender	Wood	Intact	Negative	0.03 ± 0.05
312	2nd	Room 8	A	Door Casing	Lavender	Wood	Intact	Negative	0.00 ± 0.02
313	2nd	Room 8	A	Closet Casing	Lavender	Wood	Intact	Negative	0.04 ± 0.10
314	2nd	Room 8	A	Closet Cleat	Fuscia	Wood	Intact	Negative	0.11 ± 0.18
315	2nd	Room 8	A	Closet Cleat	Fuscia	Wood	Intact	Negative	0.03 ± 0.06
316	2nd	Room 8	A	Closet Casing Int.	Fuscia	Wood	Intact	Negative	0.03 ± 0.05
317	2nd	Room 8	A	Closet Wall	Fuscia	Plaster	Intact	Negative	0.00 ± 0.02
318	2nd	Room 8	A	Closet Baseboard	Brown	Wood	Intact	Negative	0.03 ± 0.05
319	2nd	Room 8	A	Closet Floor	Brown	Wood	Fair	Negative	0.01 ± 0.03
320	2nd	Room 8	A	Baseboard	Lavender	Wood	Intact	Negative	0.03 ± 0.08
321	2nd	Room 8	B	Baseboard	Lavender	Wood	Intact	Negative	0.05 ± 0.04
322	2nd	Room 8	A	Wall	Lavender	Plaster	Intact	Negative	0.00 ± 0.02
323	2nd	Room 8	B	Wall	Lavender	Plaster	Intact	Negative	0.00 ± 0.02
325	2nd	Room 8	C	Wall	Lavender	Plaster	Intact	Negative	0.01 ± 0.04
326	2nd	Room 8	D	Wall	Lavender	Plaster	Intact	Negative	0.00 ± 0.02
327	2nd	Room 8	A	Ceiling	White	Plaster	Intact	Negative	0.00 ± 0.02
328	2nd	Room 8	A	Ceiling Trim	Lavender	Wood	Intact	Negative	0.01 ± 0.02
329	2nd	Room 9	B	Window Sill	White	Wood	Intact	Negative	0.21 ± 0.35
330	2nd	Room 9	B	Window Casing	White	Wood	Intact	Negative	0.04 ± 0.08
331	2nd	Room 9	A	Door	White	Wood	Intact	Negative	0.00 ± 0.02
332	2nd	Room 9	A	Door Casing	White	Wood	Intact	Negative	0.04 ± 0.12
333	2nd	Room 9	B	Baseboard	White	Wood	Intact	Negative	0.12 ± 0.24
334	2nd	Room 9	A	Wall	Pink	Plaster	Intact	Negative	0.10 ± 0.10
336	2nd	Room 9	B	Wall	Pink	Plaster	Intact	Negative	0.05 ± 0.07
337	2nd	Room 9	C	Wall	Pink	Plaster	Intact	Negative	0.03 ± 0.05
338	2nd	Room 9	D	Wall	Pink	Plaster	Intact	Negative	0.10 ± 0.10
339	2nd	Room 9	A	Ceiling	White	Plaster	Intact	Negative	0.04 ± 0.04
340	1st	Rear Stairs	A	Stair Stringer	White	Wood	Intact	Negative	0.11 ± 0.26
341	1st	Rear Stairs	B	Stair Riser	White	Wood	Fair	Positive	9.80 ± 4.90
342	1st	Rear Stairs	B	Stair Tread	White	Wood	Poor	Positive	23.50 ± 8.60
343	1st	Rear Stairs	B	Stair Tread	White	Wood	Poor	Positive	17.10 ± 4.50
344	1st	Rear Stairs	C	Baseboard	White	Wood	Intact	Negative	0.02 ± 0.06
345	1st	Rear Stairs	A	Corner Trim	White	Wood	Intact	Negative	0.06 ± 0.07
346	1st	Rear Stairs	A	Wall	Blue	Plaster	Intact	Negative	0.02 ± 0.04
347	1st	Rear Stairs	C	Wall	Blue	Plaster	Intact	Negative	0.05 ± 0.04
348	2nd	Rear Stairs	C	Wall	Blue	Plaster	Intact	Negative	0.09 ± 0.11
349	2nd	Rear Stairs	C	Ceiling	White	Plaster	Intact	Negative	0.07 ± 0.05

Connecticut Lead Paint Solutions, LLC
 1245 Hebron Ave
 Glastonbury, CT 06033
 860-633-3330 Since 1994

August 15, 2017

37 Grove St, Norwich, CT 06360

Index	FL	ROOM	SIDE	COMPONENT	COLOR	SUBSTRATE	CONDITION	Results	PbC
350	2nd	Front Porch	C	Door	White	Metal	Intact	Negative	0.00 ± 0.02
351	2nd	Front Porch	C	Door Jamb	White	Wood	Intact	Negative	0.00 ± 0.02
352	2nd	Front Porch	A	Porch Baluster	White	Wood	Peeling	Positive	4.40 ± 2.40
353	2nd	Front Porch	A	Porch Rail Cap	White	Wood	Peeling	Negative	0.12 ± 0.14
354	2nd	Front Porch	A	Porch Rail Cap	White	Wood	Peeling	Positive	4.00 ± 2.40
355	2nd	Front Porch	A	Porch Newd Post	White	Wood	Peeling	Positive	4.40 ± 2.00
356				Calibration- Surface			1.53mg/cm ²	Positive	1.40 ± 0.30
357				Calibration- Burial			1.04mg/cm ²	Positive	1.10 ± 0.10
358				Calibration- Burial			1.04mg/cm ²	Positive	1.20 ± 0.10
359				Calibration- Burial			1.04mg/cm ²	Positive	1.10 ± 0.10
360				Calibration-Buried			0.01mg/cm ²	Negative	0.00 ± 0.02

37 Grove St, Norwich, CT 06360

Index	ID	ROOM	SIDE	COMPONENT	COLOR	SUBSTRATE	CONDITION	Results	PbC
1				Calibration- Surface			1.53mg/cm ²	Positive	1.60 ± 0.10
2				Calibration- Surface			1.04mg/cm ²	Positive	1.10 ± 0.10
3				Calibration- Surface			1.04mg/cm ²	Positive	1.10 ± 0.10
4				Calibration- Surface			1.04mg/cm ²	Positive	1.10 ± 0.10
5				Calibration- Surface			0.01mg/cm ²	Negative	0.00 ± 0.02
6	1st	Base. Stairs	C	Door	White	Wood	Intact	Negative	0.01 ± 0.04
7	1st	Base. Stairs	C	Door Casing	Brown	Wood	Intact	Negative	0.01 ± 0.02
8	1st	Base. Stairs	A	Wall	White	Plaster	Intact	Negative	0.00 ± 0.02
9	1st	Base. Stairs	C	Wall	White	Plaster	Intact	Negative	0.00 ± 0.02
10	1st	Base. Stairs	C	Wall	White	Plaster	Intact	Negative	0.00 ± 0.02
11	1st	Base. Stairs	B	Ceiling	White	Plaster	Damaged	Negative	0.01 ± 0.02
12	1st	Base. Stairs	B	Wall	White	Plaster	Intact	Negative	0.00 ± 0.02
13	1st	Base. Stairs	A	Corner Trim	Brown	Wood	Intact	Negative	0.02 ± 0.03
14	1st	Base. Stairs	A	Stair Wallcasing	White	Wood	Fair	Negative	0.00 ± 0.02
16	1st	Basement	C	Wall	White	Brick	Fair	Negative	0.01 ± 0.02
17	1st	Basement 2	D	Wall - Upper	White	Brick	Intact	Negative	0.00 ± 0.02
18	1st	Basement 2	D	Wall - Upper	White	Brick	Intact	Negative	0.00 ± 0.02
19	1st	Basement	Cr	Column	White	Brick	Poor	Negative	0.01 ± 0.02
20	1st	Basement	Cr	Column	White	Brick	Poor	Negative	0.00 ± 0.02
21	1st	Basement	Cr	Furnace	Blue	Metal	Poor	Negative	0.00 ± 0.02
22	1st	Basement	Cr	Furnace	Blue	Metal	Poor	Negative	0.00 ± 0.02
23		Exterior	C	Door (to Basement)	White	Metal	Intact	Negative	0.00 ± 0.02
24		Exterior	C	Door Jamb	Brown	Wood	Fair	Positive	2.70 ± 1.20
25		Exterior	C	Door Threshold	Black	Wood	Poor	Negative	0.02 ± 0.04
26		Exterior	C	Door Threshold	Black	Wood	Poor	Negative	0.03 ± 0.08
27		Exterior	C	Window Casing Lwr	Green	Wood	Poor	Positive	2.50 ± 0.30
28		Exterior	C	Wind. Sash Ext. Lwr	Green	Wood	Poor	Positive	3.60 ± 1.50
29		Exterior	C	Ext. Foundation	Green	Concrete	Peeling	Negative	0.03 ± 0.03
30		Exterior	C	Ext. Foundation	Green	Concrete	Peeling	Negative	0.07 ± 0.08
31		Exterior	C	Cell. Window Sill	Green	Wood	Peeling	Positive	2.40 ± 1.10
32		Exterior	C	Cell. Wind. Frame	Green	Wood	Peeling	Positive	4.20 ± 2.20
33		Exterior	C	Cell. Wind. Sash	Green	Wood	Peeling	Positive	2.60 ± 1.10
34		Exterior	C	Window Frame Ctr	Green	Wood	Peeling	Positive	6.70 ± 1.30
35	1st	Exterior	C	Door	White	Metal	Intact	Negative	0.00 ± 0.02
36	1st	Exterior	C	Door Jamb	White	Wood	Intact	Negative	0.00 ± 0.02
37	1st	Exterior	C	Door Casing	White	Wood	Intact	Negative	0.00 ± 0.02
38	1st	Exterior	C	Porch Floor	White	Wood	Peeling	Negative	0.01 ± 0.04
39	1st	Exterior	C	Porch Rail Cap	White	Wood	Peeling	Negative	0.00 ± 0.02
40	1st	Exterior	C	Porch Lattice	White	Wood	Fair	Negative	0.01 ± 0.02
41	1st	Exterior	C	Porch Column	Bone	Wood	Peeling	Negative	0.00 ± 0.02
42	1st	Exterior	C	Porch Upper Trim	White	Wood	Peeling	Positive	5.50 ± 3.00
43	1st	Exterior	C	Porch Upper Trim	White	Wood	Peeling	Positive	13.90 ± 6.20
44	1st	Exterior	C	Porch Lwr Trim	White	Wood	Poor	Negative	0.00 ± 0.02
45		Exterior	D	Cell. Wind. Frame	Green	Wood	Poor	Positive	3.50 ± 1.80
46		Exterior	D	Ext. Foundation	Green	Brick	Fair	Positive	1.50 ± 0.40
47		Exterior	D	Door (to Base.)	Brown	Wood	Poor	Positive	14.00 ± 6.30
48		Exterior	D	Door Stop	Brown	Wood	Poor	Positive	18.00 ± 7.30
49		Exterior	A	Ext. Foundation	Green	Brick	Poor	Positive	2.00 ± 0.90
50		Exterior	D	Ext. Foundation	Green	Brick	Poor	Negative	0.18 ± 0.05

Index	FL	ROOM	SIDE	COMPONENT	COLOR	SUBSTRATE	CONDITION	Results	PbC
51		Exterior	D	Ext. Foundation	Green	Brick	Poor	Null	1.00 ± 0.10
52		Exterior	D	Ext. Foundation	Green	Brick	Poor	Positive	1.60 ± 0.50
53	1st	Exterior	A	Door(to Kit.)	White	Metal	Intact	Negative	0.00 ± 0.02
54	1st	Exterior	A	Door Jamb	White	Metal	Intact	Negative	0.01 ± 0.07
55		Exterior	A	Steps	Off-White	Wood	Poor	Negative	0.02 ± 0.09
56		Exterior	A	Stair Railing	Bone	Wood	Fair	Negative	0.00 ± 0.02
57	1st	Exterior	A	Overhang Upper Trim	White	Wood	Peeling	Positive	19.20 ± 7.60
58		Exterior	D	Window Sash Ext.	White	Wood	Peeling	Positive	4.80 ± 2.60
59		Exterior	D	Ext. Foundation	Green	Stone	Peeling	Positive	2.10 ± 1.10
60	1st	Front Porch	D	Porch Baluster	White	Wood	Peeling	Positive	3.60 ± 1.90
61	1st	Front Porch	A	Porch Baluster	White	Wood	Peeling	Positive	4.80 ± 2.80
62	1st	Front Porch	A	Porch Column Ctr	White	Wood	Peeling	Positive	15.80 ± 11.30
63	1st	Front Porch	A	Porch Column Base	Beige	Wood	Peeling	Positive	2.80 ± 1.10
64	1st	Front Porch	A	Porch Column Base	White	Wood	Peeling	Positive	15.60 ± 6.80
65	1st	Front Porch	A	Porch Floor	Green	Wood	Peeling	Negative	0.60 ± 0.20
66	1st	Front Porch	A	Porch Floor	Green	Wood	Peeling	Positive	1.20 ± 0.20
67	1st	Front Porch	A	Porch Floor	Green	Wood	Peeling	Positive	4.40 ± 1.90
68	1st	Front Porch	A	Porch Upper Trim	White	Wood	Peeling	Positive	9.80 ± 5.30
69	1st	Front Porch	A	Door	Brown	Wood	Intact	Negative	0.01 ± 0.02
70	1st	Front Porch	A	Door Jamb	Brown	Wood	Poor	Positive	12.00 ± 9.90
71	1st	Front Porch	A	Door Threshold	Brown	Wood	Poor	Negative	0.50 ± 0.30
72	1st	Front Porch	A	Door Threshold	Brown	Wood	Poor	Negative	0.30 ± 0.19
73		Exterior	B	Railing	Green	Metal	Poor	Negative	0.50 ± 0.10
74		Exterior	B	Railing	Green	Metal	Poor	Positive	2.10 ± 0.90
75		Exterior	B	Railing	Green	Metal	Poor	Positive	1.10 ± 0.10
76		Exterior	B	Window Sash Ext.	White	Metal	Intact	Positive	9.70 ± 4.90
77		Exterior	B	Bracket	White	Wood	Poor	Positive	42.10 ± 36.70
78		Exterior	B	Bracket	White	Wood	Poor	Positive	24.90 ± 15.30
79		Exterior	B	Ext. Siding	Brown	Wood	Intact	Negative	0.60 ± 0.30
80		Exterior	B	Ext. Siding	Brown	Wood	Intact	Negative	0.30 ± 0.21
81				Calibration- Surface			1.53mg/cm²	Positive	1.60 ± 0.10
82				Calibration- Buried			1.04mg/cm²	Positive	1.10 ± 0.10
83				Calibration- Buried			1.04mg/cm²	Positive	1.20 ± 0.10
84				Calibration- Buried			1.04mg/cm²	Positive	1.20 ± 0.10
85				Calibration-Buried			0.01mg/cm²	Negative	0.00 ± 0.02



Lead Dust Wipe Analysis Report

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Report Number: 17-08-02744

Client: CT Lead Paint Solutions Inc.
1245 Hebron Avenue
Glastonbury, CT 06033

Received Date: 08/21/2017
Analyzed Date: 08/24/2017
Reported Date: 08/24/2017

Project/Test Address: 17-0280; Bowens Residence Assessment Tests; 37 Grove St; Norwich, CT 06360
Collection Date: 08/15/2017

Client Number:
07-1566

Laboratory Results

Fax Number:
860-633-3330

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft ²)	Concentration (ug/ft ²)	Narrative ID
17-08-02744-001	DW-10	D SIDE VINYL REAR STAIRS 1ST FLOOR	FL	<5.00	1.00	<5.00	
17-08-02744-002	DW-11	B SIDE CERAMIC BATH 2	FL	7.50	1.00	7.50	
17-08-02744-003	DW-12	D SIDE RIGHT WOOD BATH 2	SL	12.6	0.604	20.8	
17-08-02744-004	DW-13	D SIDE RIGHT VINYL BATH 2	WW	159	0.521	304	
17-08-02744-005	DW-14	A SIDE VINYL ROOM 5	WW	437	0.608	718	

Environmental Hazards Services, L.L.C

Client Number: 07-1566
Project/Test Address: 17-0280; Bowens Residence Assessment Tests; 37
 Grove St; Norwich, CT 06360

Report Number: 17-08-02744

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft ²)	Concentration (ug/ft ²)	Narrative ID
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Method: ASTM E-1979-12/EPA SW846 7000B

Accreditation #: CT PH-0234

Reviewed By Authorized Signatory: Melissa Kanode

Missy Kanode

QA/QC Clerk

The Federal lead guidelines for dust clearance levels by wipe sampling: Floors (FL) - 40 ug/ft², Interior Window Sills (SL) - 250 ug/ft², Window Wells (WW) - 400 ug/ft². Effective April 1, 2017 all existing Office of Lead Hazard Control and Healthy Homes (OLHCHH), Lead Based Paint Hazard Control (LBPHC), and Lead Hazard Reduction (LHRD) grantees will use the following dust-lead action levels and clearance action levels (or lower levels if required by local, state or tribal authorities having jurisdictions): Dust-Lead Action Levels: Floors (FL) - ≥ 10 ug/ft², Window Sills (SL)- ≥ 100 ug/ft²
 Lead Clearance Action Levels: Interior Floors (FL) - < 10 ug/ft², Porch Floors (PFL) - < 40 ug/ft²,
 Window Sills (SL)- < 100 ug/ft², Window Troughs (WW) - < 100 ug/ft²,

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft² are calculated based on area supplied by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. EHS sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714.

Legend	ug = microgram	ug/ft ² = micrograms per square foot	Pb = lead
	mL = milliliter	ft ² = square foot	

17-08-02744



Environmental Hazards Services, LLC
 7469 Whitepine Road
 North Chesterfield, Virginia 23237
 804-275-4788

Due Date:
 08/24/2017
 (Thursday)
 AE

CHAIN OF CUSTODY FORM

Date: August 17, 2017
 Company Name: CT Lead Paint Solutions, LLC
 Address: 1245 Hebron Ave.
 City, State, Zip: Glastonbury, CT 06033 E-mail to: andrew@ctleadpaint.com
 Phone: 860-633-3330
 Project Name: Bowens Residence Dates of Collections: August 15, 2017
 Assessment Tests
 Project Address: 37 Grove St, Norwich, CT 06360
 Project Number 17-0280

Matrix	Method	Instrument	Method Detect Limits	TAT
Lead in Dust	EPA SW 846 7420	Flame Atomic Absorption	3.0 ug/wipe	3 day

Ghost Wipes Used **Lead in Dust**

Sample #	Area size/ Sq. inch	Location Sample and substrate	Room or Area
DW-10	144.00	Floor, D side, vinyl	Rear Stairs, 1 st floor
DW-11	144.00	Floor, B side, ceramic	Bath 2
DW-12	87.00	Window sill, D side, right, wood	Bath 2
DW-13	75.00	Window well, D side, right, vinyl	Bath 2
DW-14	87.50	Window well, A side, vinyl	Room 5
Collected	Andrew Miller	Signature <i>Andrew Miller</i>	Date: Aug. 15, 2017
Mailed by	Andrew Miller	Signature <i>Andrew Miller</i>	Date: Aug. 17, 2017
Received	S Nicoletta	Signature <i>S Nicoletta</i>	Date: 8/17/17 9:50am

1-5
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Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Lead in Soil Analysis Report

Report Number: 17-09-00939

Client: CT Lead Paint Solutions Inc.
1245 Hebron Avenue
Glastonbury, CT 06033

Received Date: 09/08/2017
Analyzed Date: 09/08/2017
Reported Date: 09/08/2017

Project/Test Address: 17-0280; 37 Grove St; Norwich, CT 06360
Collection Date: 09/06/2017

Client Number:
07-1566

Laboratory Results

Fax Number:
860-633-3330

Lab Sample Number	Client Sample Number	Collection Location	Concentration ppm (ug/g)	Narrative ID
17-09-00939-001	SOIL-1	C SIDE	1600	
17-09-00939-002	SOIL-2	D SIDE	1500	
17-09-00939-003	SOIL-3	C SIDE	380	
17-09-00939-004	SOIL-4	D SIDE	450	

Environmental Hazards Services, L.L.C

Client Number: 07-1566
Project/Test Address: 17-0280; 37 Grove St; Norwich, CT 06360

Report Number: 17-09-00939

Lab Sample Number	Client Sample Number	Collection Location	Concentration ppm (ug/g)	Narrative ID
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Method: ASTM E-1979-12/EPA SW846 7000B
Accreditation #: CT PH-0234

Reviewed By Authorized Signatory:



Tasha Eaddy
QA/QC Clerk

The Federal lead guidelines for lead in soil is 400 ug/g (ppm) in play areas, and 1200 ug/g (ppm) in bare soil in the remainder of the yard. The Reporting Limit (RL) is 10.0 ug Total Pb. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Unless otherwise noted, samples are reported without a dry weight correction. Sample location, description, area, volume, etc., was provided by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. EHS sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714.

LEGEND	ug = microgram	ppm = parts per million
	ug/g = micrograms per gram	

17-09-00939



Environmental Hazards Services, LLC
 7469 White Pine Road
 North Chesterfield, Virginia 23237
 804-275-4788

Due Date:
 09/11/2017
 (Monday)
 AE

VH

CHAIN OF CUSTODY FORM

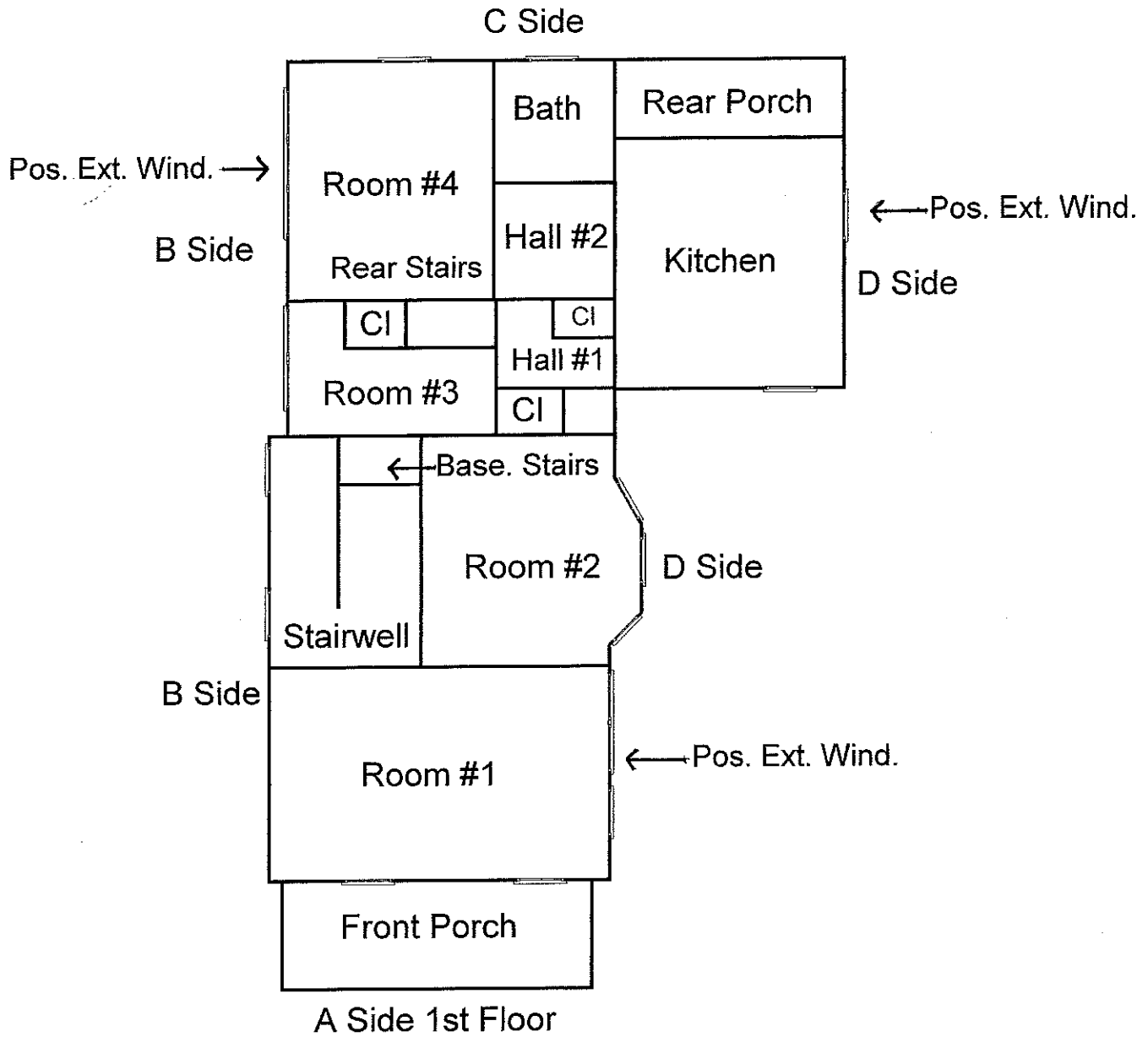
Date: September 07, 2017
 Company Name: CT Lead Paint Solutions, LLC
 Address: 1245 Hebron Ave.
 City, State, Zip: Glastonbury, CT 06033 E-mail to: andrew@ctleadpaint.com
 Phone: 860-633-3330
 Project Name: Bowens Residence Assessment Tests Dates of Collections; September 06, 2017
 Project Address: 37 Grove St, Norwich, CT 06360
 Project Number 17-0280

Matrix	Method	Instrument	mdls	TAT
Lead in Soil	EPA846-7420	Flame Atomic Absorption	20mg/kg 20 ppm	1 day

Lead in Soil

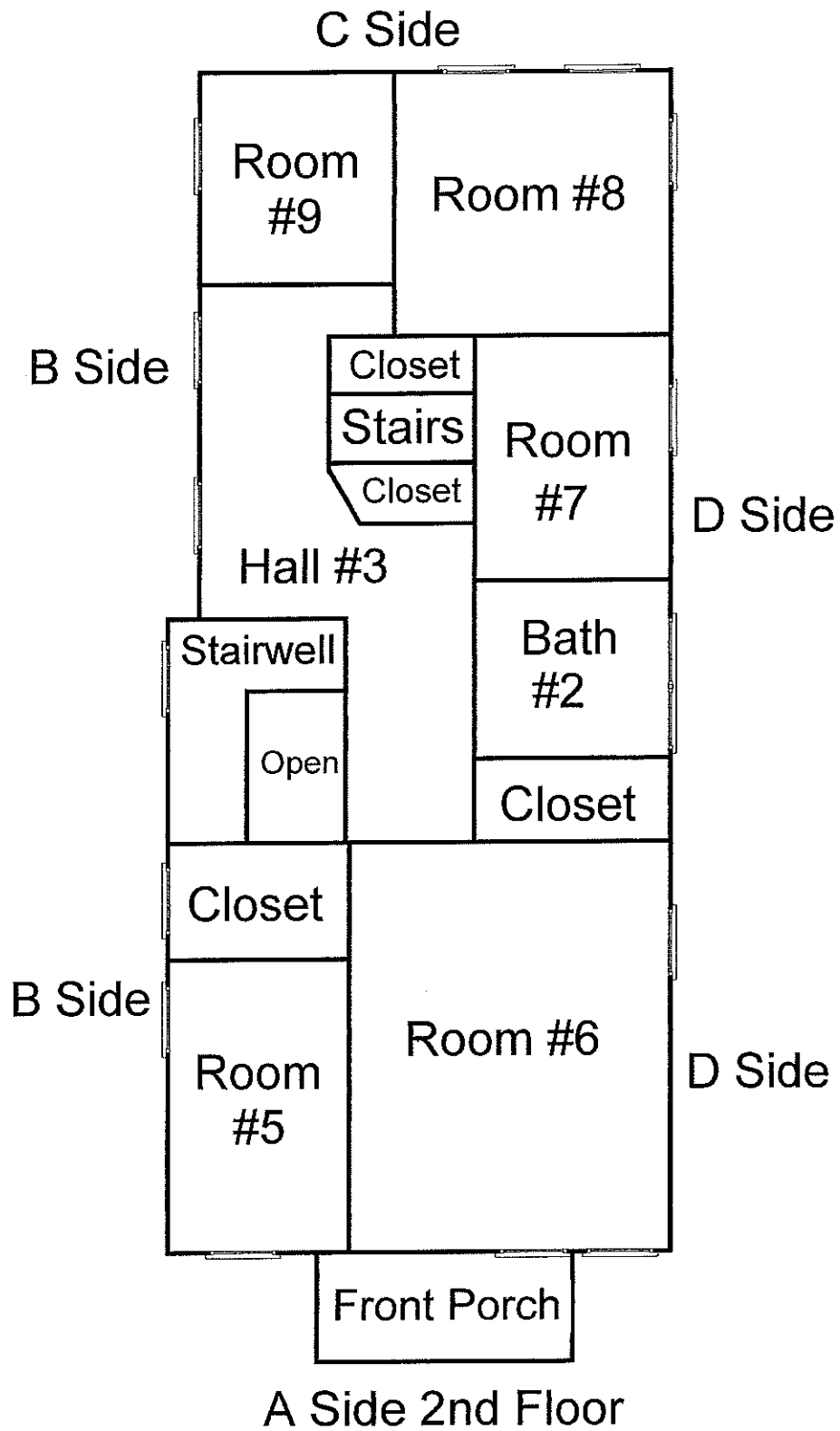
68

Sample #	Exterior Area	Location Sample	Comments	Lab notes
Soil -1	Collected with-in 1 feet of foundation (but not from sand)	C side	4 comp. sample	
Soil -2	Collected with-in 1 feet of foundation	D. side	6 comp. sample	
Soil -3	Rear Yard near trampoline	C side	6 comp. samples	
Soil -4	Side yard garden	D side	8 comp. samples	
Collected	Andrew Miller	Sign. <i>Andrew Miller</i>	Date: Sept. 06, 2017	
Mailed by	Andrew Miller	Sign. <i>Andrew Miller</i>	Date: Sept. 07, 2017	
Received by	<i>allphm</i>	Sign. <i>allphm</i>	Date: 9/8/17	



37 Grove St, Norwich, CT 06360

Cl = Closet



37 Grove St, Norwich, CT 06360

