

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

**CITY OF NORWICH
LEAD PAINT HAZARD CONTROL
PROGRAM
Project LP1632**

**34 Happy Street
Norwich, CT. 06360**

PROJECT SPECIFICATION

Bid-Lead Paint Hazard Control

**CITY OF NORWICH
INVITATION TO BID**

LEAD PAINT HAZARD CONTROL PROGRAM

**Bids for: LP1632
34 Happy Street
Norwich CT.**

BID- Lead Paint Hazard Control

Bids are being sought for the project for the property located at:
The residence at
34 Happy 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 02-22-19 at 11:00 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 03-01-19, 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:

**34 Happy 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 **02-22-19 At 11:00 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: #LP1632 34 Happy Street
-On the outside front of the envelope-

4. **The sealed bid proposals will be received until 4:00 PM on 03-01-19,** 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: LP1632
ADDRESS: 34 Happy Street
Norwich, Connecticut, 06360

OWNERS NAME: Teolinda Rivera
OWNERS ADDRESS: 34 Happy Street
Norwich CT. 06360

OWNERS PHONE NO: 860-710-2497

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.

34 Happy St



34 Happy 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 \$500.00 per

Exterior grade door with Side lights, hardware & trim: Max Owner selection \$1,000.00 per

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

Interior Door, casing, trim, and hardware: Max Owner Selection \$175.00 per

Storm Doors: \$225.00

General Selections such as roof or siding colors are to be documented between the Contractor and Home Owner then submitted to the Program Manager prior to start of work.

OTHER PRODUCT BIDDING REQUIREMENTS

Where Lead Paint Hazard Control, and Rehabilitation Projects include various other building products, the contractor is responsible to 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 _____, 2019. This project is allotted **30, 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: |
| 34 Happy 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) | | | | |
| Interior Encap All lp | | | | |
| Interior Door R&R all lp | | | | |
| Window R&R all lp | | | | |
| Interior lp all other | | | | |
| Exterior Encap all lp | | | | |
| Exterior Encap all lp | | | | |
| Ext-Overhang all lp | | | | |
| Exterior Doors A&B lp | | | | |
| Porch Columns A&D lp | | | | |
| Porch Trim, soffits Alt. () | | | | |
| Porch Floor | | | | |
| Door Jamb B side lp | | | | |
| Aluminum Storms lp | | | | |
| Window sills/casings ext. lp | | | | |
| Shed door lp | | | | |
| exposed siding/soffits lp | | | | |
| Grounds lp | | | | |
| 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. (2019)**

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;
34 Happy St
Norwich, CT 06360

Owner; Teolinda Riveria

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

The inspection was done on July 11 and 20, 2018.

↓ A

The property inspected is a two-family house built in 1891. All interior rooms or areas were fully inspected except for the unfinished mechanical room in the basement and the interior of the detached garage/shed.

Only a few of the interior surfaces tested in the house were positive for lead-based paint (LBP). More positive surfaces were detected in the basement apartment.

All the window sashes (the part of the window which contains the glass and is movable) in the house have been replaced with a vinyl replacement window, except for two wood windows in Room #4 2nd floor and a fixed (non-operable) window in the Stairwell. All wood sashes are positive for LBP.

The exterior of the house is covered with aluminum siding, window casings and upper trim (exterior soffits and fascia trim). Most window casings are not fully covered and/or have very loose aluminum trim, therefore exposing existing wood trim that is or is assumed to be positive for LBP.

Some painted surfaces tested on the exterior of the house and the Front Porch were positive for LBP and some were also defective.

All accessible painted surfaces on the detached garage/shed were tested.

Lead in Dust and Soil Assessment

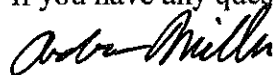
Ten dust wipe samples were collected for analysis of lead concentrations by an accredited laboratory. Five dust wipe samples were over the **new** limits set by HUD for risk assessment testing, therefore failing. Dust samples DW-5 – DW-8 and DW-10 failed. The other five passed. The limits must not exceed 10µg/ft² (micrograms lead per square foot of surface area) for floors and 100µg/ft² 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.

Two soil samples were collected for analysis of lead concentrations by an accredited laboratory. They were composite samples collected from bare soil adjacent to the house and from the side yard. The A side of the house is primarily covered with concrete or asphalt and was not tested.

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. The test result was 1100ppm for the perimeter of the house, some 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
August 04, 2018

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.

| Index | FL | ROOM | SIDE | COMPONENT | COLOR | SUBSTRATE | CONDITION | Results | PbC |
|-------|-----|---------|------|----------------------|-------|-----------|------------------------|----------|--------------|
| 1 | | | | Calibration- Surface | | | 1.53mg/cm ² | Positive | 1.70 ± 0.40 |
| 2 | | | | Calibration- Buried | | | 1.04mg/cm ² | Positive | 1.00 ± 0.10 |
| 3 | | | | Calibration- Buried | | | 1.04mg/cm ² | Positive | 1.10 ± 0.10 |
| 4 | | | | Calibration- Buried | | | 1.04mg/cm ² | Positive | 1.10 ± 0.10 |
| 5 | | | | Calibration- Buried | | | 0.01mg/cm ² | Negative | 0.00 ± 0.02 |
| 6 | 1st | Kitchen | A | Window Sill | White | Wood | Intact | Negative | 0.40 ± 0.30 |
| 7 | 1st | Kitchen | A | Window Casing | White | Wood | Intact | Negative | 0.70 ± 0.20 |
| 8 | 1st | Kitchen | A | Window Sill | White | Wood | Intact | Positive | 2.80 ± 1.70 |
| 9 | 1st | Kitchen | A | Window Casing | White | Wood | Intact | Positive | 1.40 ± 0.40 |
| 10 | 1st | Kitchen | D | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 11 | 1st | Kitchen | D | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 12 | 1st | Kitchen | A | Door | White | Metal | Intact | Negative | 0.00 ± 0.02 |
| 13 | 1st | Kitchen | A | Door Jamb | White | Metal | Intact | Negative | 0.00 ± 0.03 |
| 14 | 1st | Kitchen | A | Door Casing | White | Metal | Intact | Negative | 0.40 ± 0.30 |
| 15 | 1st | Kitchen | D | Door (to Base.) | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 16 | 1st | Kitchen | D | Door Jamb | Brown | Wood | Intact | Negative | 0.00 ± 0.02 |
| 17 | 1st | Kitchen | D | Door Casing | White | Wood | Intact | Negative | 0.80 ± 0.10 |
| 18 | 1st | Kitchen | B | Closet Door | White | Wood | Fair | Negative | -0.23 ± 0.87 |
| 19 | 1st | Kitchen | B | Closet Casing | White | Wood | Intact | Positive | 1.40 ± 0.40 |
| 20 | 1st | Kitchen | B | Closet Jamb | Brown | Wood | Intact | Negative | 0.00 ± 0.02 |
| 21 | 1st | Kitchen | B | Closet Shelf | Brown | Wood | Intact | Negative | 0.00 ± 0.02 |
| 22 | 1st | Kitchen | B | Closet Cleat | Brown | Wood | Intact | Negative | 0.00 ± 0.02 |
| 23 | 1st | Kitchen | B | Closet Wall | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 24 | 1st | Kitchen | C | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 25 | 1st | Kitchen | A | Radiator | White | Metal | Intact | Negative | 0.00 ± 0.02 |
| 26 | 1st | Kitchen | C | Cabinet Door Lwr | White | Vinyl | Intact | Negative | 0.00 ± 0.02 |
| 27 | 1st | Kitchen | C | Cabinet Door Upr | White | Vinyl | Intact | Negative | 0.00 ± 0.02 |
| 28 | 1st | Kitchen | A | Wall | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 29 | 1st | Kitchen | B | Wall | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 30 | 1st | Kitchen | C | Wall | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 31 | 1st | Kitchen | D | Wall | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 32 | 1st | Kitchen | B | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 33 | 1st | Kitchen | A | Ceiling | White | Drywall | Intact | Positive | 2.50 ± 0.90 |
| 34 | 1st | Kitchen | C | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 35 | 1st | Bath | C | Door | Brown | Wood | Intact | Negative | 0.02 ± 0.09 |
| 36 | 1st | Bath | C | Door Jamb | Brown | Wood | Intact | Negative | 0.02 ± 0.08 |
| 37 | 1st | Bath | A | Closet Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 38 | 1st | Bath | A | Closet Casing | Brown | Wood | Intact | Positive | 2.50 ± 1.10 |
| 39 | 1st | Bath | A | Closet Shelf | Brown | Wood | Intact | Negative | 0.00 ± 0.02 |
| 40 | 1st | Bath | A | Closet Wall | Tan | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 41 | 1st | Bath | B | Radiator | White | Metal | Intact | Negative | 0.00 ± 0.02 |
| 42 | 1st | Bath | C | Cabinet Door Lwr | Brown | Wood | Intact | Negative | 0.00 ± 0.02 |
| 43 | 1st | Bath | A | Wall | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 44 | 1st | Bath | B | Wall | Bone | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 45 | 1st | Bath | C | Wall | Bone | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 47 | 1st | Bath | D | Wall | Bone | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 48 | 1st | Bath | C | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 49 | 1st | Room 1 | B | Window Sill | White | Wood | Intact | Null | 1.00 ± 0.10 |
| 50 | 1st | Room 1 | B | Window Sill | White | Wood | Intact | Positive | 1.20 ± 0.10 |
| 51 | 1st | Room 1 | B | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 52 | 1st | Room 1 | C | Window Sill Lft | White | Wood | Intact | Negative | 0.23 ± 0.27 |
| 53 | 1st | Room 1 | C | Window Casing | White | Wood | Intact | Negative | 0.01 ± 0.03 |

| Index | FL | ROOM | SIDE | COMPONENT | COLOR | SUBSTRATE | CONDITION | Results | PbC |
|-------|-----|-----------|------|-----------------|---------|-----------|-----------|----------|-------------|
| 54 | 1st | Room 1 | C | Window Stop | White | Wood | Intact | Negative | 0.22 ± 0.17 |
| 55 | 1st | Room 1 | C | Window Sill Ctr | White | Wood | Intact | Negative | 0.50 ± 0.20 |
| 56 | 1st | Room 1 | C | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 57 | 1st | Room 1 | C | Window Stop | White | Wood | Intact | Negative | 0.50 ± 0.30 |
| 58 | 1st | Room 1 | C | Window Sill Rht | White | Wood | Intact | Negative | 0.70 ± 0.30 |
| 59 | 1st | Room 1 | C | Window Stop | White | Wood | Intact | Negative | 0.30 ± 0.20 |
| 60 | 1st | Room 1 | C | Radiator | White | Metal | Intact | Negative | 0.00 ± 0.02 |
| 61 | 1st | Room 1 | A | Door (to Bath) | White | Wood | Fair | Negative | 0.01 ± 0.04 |
| 62 | 1st | Room 1 | A | Door Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 63 | 1st | Room 1 | A | Door Casing | White | Wood | Intact | Positive | 4.40 ± 2.20 |
| 64 | 1st | Room 1 | A | Door Casing | White | Wood | Intact | Positive | 4.80 ± 3.00 |
| 65 | 1st | Room 1 | A | Door Threshold | Brown | Wood | Fair | Negative | 0.00 ± 0.02 |
| 66 | 1st | Room 1 | A | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 67 | 1st | Room 1 | A | Wall | Green | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 68 | 1st | Room 1 | B | Wall | Green | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 69 | 1st | Room 1 | C | Wall | Green | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 70 | 1st | Room 1 | D | Wall | Green | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 71 | 1st | Room 1 | D | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 72 | 1st | Room 1 | D | Floor | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 73 | 1st | Room 2 | C | Window Sill | White | Wood | Intact | Negative | 0.24 ± 0.18 |
| 74 | 1st | Room 2 | C | Window Sill | White | Wood | Intact | Negative | 0.15 ± 0.15 |
| 75 | 1st | Room 2 | C | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 76 | 1st | Room 2 | D | Window Sill Lft | White | Wood | Intact | Null | 0.80 ± 0.30 |
| 77 | 1st | Room 2 | D | Window Sill Lft | White | Wood | Intact | Negative | 0.50 ± 0.20 |
| 78 | 1st | Room 2 | D | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 79 | 1st | Room 2 | D | Window Sill Rht | White | Wood | Intact | Positive | 2.60 ± 0.60 |
| 80 | 1st | Room 2 | D | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 81 | 1st | Room 2 | B | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 82 | 1st | Room 2 | D | Radiator | White | Metal | Intact | Negative | 0.00 ± 0.02 |
| 83 | 1st | Room 2 | A | Wall | Orange | Drywall | Intact | Negative | 0.17 ± 0.24 |
| 84 | 1st | Room 2 | A | Wall | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 85 | 1st | Room 2 | C | Wall | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 86 | 1st | Room 2 | D | Wall | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 87 | 1st | Room 2 | C | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 88 | 1st | Room 2 | A | Floor | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 89 | 1st | Foyer | D-A | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 90 | 1st | Foyer | D-A | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 91 | 1st | Foyer | D-A | Door Casing | White | Wood | Intact | Positive | 4.20 ± 2.30 |
| 92 | 1st | Foyer | B | Closet Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 93 | 1st | Foyer | B | Closet Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 94 | 1st | Foyer | B | Closet Shelf | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 95 | 1st | Foyer | B | Closet Wall | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 96 | 1st | Foyer | B | Closet Floor | Brown | Drywall | Intact | Negative | 0.05 ± 0.12 |
| 97 | 1st | Foyer | B | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 98 | 1st | Foyer | D-A | Door Threshold | Green | Wood | Fair | Negative | 0.00 ± 0.02 |
| 99 | 1st | Foyer | A | Wall | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 100 | 1st | Foyer | C | Wall | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 101 | 1st | Foyer | D | Wall | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 102 | 1st | Foyer | A | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 103 | 1st | Stairwell | A | Stair Stringer | White | Wood | Intact | Negative | 0.15 ± 0.13 |
| 104 | 1st | Stairwell | A | Stair Tread | White | Wood | Intact | Negative | 0.21 ± 0.18 |
| 105 | 1st | Stairwell | A | Stair Tread | White | Wood | Intact | Negative | 0.40 ± 0.30 |

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| 106 | 1st | Stairwell | B | Stair Riser | White | Wood | Fair | Negative | 0.30 ± 0.17 |
| 107 | 1st | Stairwell | D | Stair Baluster | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 108 | 1st | Stairwell | D | Stair Newel Post | White | Wood | Intact | Negative | 0.03 ± 0.06 |
| 109 | 1st | Stairwell | D | Stair Railing | White | Wood | Intact | Negative | 0.02 ± 0.09 |
| 110 | 1st | Stairwell | A | Wall | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 111 | 1st | Stairwell | C | Wall | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 112 | 2nd | Stairwell | C | Wall - Upper | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 113 | 2nd | Stairwell | A | Wall | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 114 | 2nd | Stairwell | B | Wall | Orange | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 115 | 2nd | Stairwell | C | Stair Newel Post | White | Wood | Fair | Negative | 0.05 ± 0.17 |
| 116 | 2nd | Stairwell | A | Window Casing | White | Wood | Intact | Negative | 0.02 ± 0.08 |
| 117 | 2nd | Stairwell | A | Wind. Sash Int. (Fixed) | White | Wood | Fair | Positive | 1.20 ± 0.20 |
| 118 | 2nd | Stairwell | A | Baseboard | White | Wood | Intact | Negative | 0.28 ± 0.30 |
| 119 | 2nd | Stairwell | C | Floor | White | Wood | Intact | Negative | 0.06 ± 0.08 |
| 120 | 2nd | Stairwell | B-C | Door | White | Metal | Intact | Negative | 0.00 ± 0.02 |
| 121 | 2nd | Stairwell | B-C | Door Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 122 | 2nd | Stairwell | A | Ceiling | White | Drywall | Intact | Negative | 0.01 ± 0.06 |
| 123 | 2nd | Room 3 | A | Window Sill | Varnish | Wood | Fair | Negative | 0.00 ± 0.02 |
| 124 | 2nd | Room 3 | A | Window Casing | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 125 | 2nd | Room 3 | C-D | Door | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 126 | 2nd | Room 3 | C-D | Door Jamb | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 127 | 2nd | Room 3 | D | Closet Door | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 128 | 2nd | Room 3 | D | Closet Casing | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 129 | 2nd | Room 3 | D | Closet Shelf | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 130 | 2nd | Room 3 | D | Closet Wall | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 131 | 2nd | Room 3 | B | Radiator | Beige | Metal | Intact | Negative | 0.00 ± 0.02 |
| 132 | 2nd | Room 3 | A | Wall | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 133 | 2nd | Room 3 | A | Wall | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 134 | 2nd | Room 3 | C | Wall | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 135 | 2nd | Room 3 | D | Wall | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 136 | 2nd | Room 3 | B | Ceiling | Varnish | Wood | Intact | Negative | 0.01 ± 0.04 |
| 137 | 2nd | Bath 2 | D | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 138 | 2nd | Bath 2 | D | Door Jamb | White | Wood | Intact | Negative | 0.05 ± 0.14 |
| 139 | 2nd | Bath 2 | A | Wall | Wallpaper | Drywall | Intact | Negative | 0.01 ± 0.02 |
| 140 | 2nd | Bath 2 | B | Wall | Wallpaper | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 141 | 2nd | Bath 2 | C | Wall | Wallpaper | Drywall | Intact | Negative | 0.01 ± 0.03 |
| 142 | 2nd | Bath 2 | D | Wall | Wallpaper | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 143 | 2nd | Bath 2 | A | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 144 | 2nd | Room 4 | B | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 145 | 2nd | Room 4 | B | Window Sash Int. | White | Wood | Intact | Positive | 2.60 ± 1.40 |
| 146 | 2nd | Room 4 | C | Window Sill | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 147 | 2nd | Room 4 | C | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 148 | 2nd | Room 4 | C | Window Sash Int. | White | Wood | Intact | Positive | 4.20 ± 2.80 |
| 149 | 2nd | Room 4 | A | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 150 | 2nd | Room 4 | A | Door Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 151 | 2nd | Room 4 | A | Door Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 152 | 2nd | Room 4 | D | Door | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 153 | 2nd | Room 4 | D | Closet Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 154 | 2nd | Room 4 | D | Closet Wall | Bone | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 155 | 2nd | Room 4 | C | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 156 | 2nd | Room 4 | A | Wall | Beige | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 157 | 2nd | Room 4 | B | Wall | Beige | Drywall | Intact | Negative | 0.00 ± 0.02 |

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| 158 | 2nd | Room 4 | C | Wall | Beige | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 159 | 2nd | Room 4 | D | Wall,Rht | Beige | Drywall | Intact | Negative | 0.01 ± 0.04 |
| 160 | 2nd | Room 4 | A | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 161 | 2nd | Room 5 | C | Window Sill | White | Wood | Intact | Negative | 0.08 ± 0.25 |
| 162 | 2nd | Room 5 | C | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 163 | 2nd | Room 5 | D | Window Sill | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 164 | 2nd | Room 5 | D | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 165 | 2nd | Room 5 | D | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 166 | 2nd | Room 5 | B | Door Jamb | White | Wood | Intact | Negative | 0.01 ± 0.04 |
| 167 | 2nd | Room 5 | C | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 168 | 2nd | Room 5 | D | Door Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 169 | 2nd | Room 5 | A | Closet Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 170 | 2nd | Room 5 | A | Closet Jamb | White | Wood | Intact | Negative | 0.15 ± 0.20 |
| 171 | 2nd | Room 5 | A | Closet Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 172 | 2nd | Room 5 | A | Closet Shelf | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 173 | 2nd | Room 5 | A | Closet Cleat | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 174 | 2nd | Room 5 | A | Closet Wall | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 175 | 2nd | Room 5 | B | Closet Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 176 | 2nd | Room 5 | B | Closet Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 178 | 2nd | Room 5 | B | Closet Shelf | Unpainted | Plywood | Intact | Negative | 0.00 ± 0.02 |
| 179 | 2nd | Room 5 | B | Closet Wall | Bone | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 180 | 2nd | Room 5 | D | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 181 | 2nd | Room 5 | A | Wall Lft | Blue | Drywall | Intact | Negative | 0.01 ± 0.06 |
| 182 | 2nd | Room 5 | B | Wall Lft | Blue | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 183 | 2nd | Room 5 | C | Wall | Blue | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 184 | 2nd | Room 5 | D | Wall | Blue | Drywall | Intact | Negative | 0.02 ± 0.08 |
| 185 | 2nd | Room 5 | C | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 186 | 2nd | Exterior | D | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 187 | 2nd | Exterior | D | Door Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 188 | 2nd | Exterior | D | Porch Baluster | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 189 | 2nd | Exterior | D | Porch Rail Cap | White | Wood | Intact | Negative | 0.01 ± 0.05 |
| 190 | 2nd | Exterior | D | Porch Post | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 191 | 2nd | Exterior | D | Porch Floor | Unpainted | Wood | Intact | Negative | 0.00 ± 0.02 |
| 192 | 2nd | Exterior | D | Ext. Siding | Orange | Metal | Intact | Negative | 0.70 ± 0.30 |
| 193 | 2nd | Hall | D-A | Door (to Stairs) | White | Metal | Intact | Negative | 0.00 ± 0.02 |
| 194 | 2nd | Hall | D-A | Door Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 195 | 2nd | Hall | C | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 196 | 2nd | Hall | C | Door Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 197 | 2nd | Hall | D | Door Casing | White | Wood | Fair | Negative | 0.00 ± 0.02 |
| 198 | 2nd | Hall | B | Closet Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 199 | 2nd | Hall | B | Closet Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 200 | 2nd | Hall | B | Closet Shelf | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 201 | 2nd | Hall | B | Closet Shelf | White | Drywall | Intact | Negative | 0.01 ± 0.03 |
| 202 | 2nd | Hall | A | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 203 | 2nd | Hall | A | Wall | Beige | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 204 | 2nd | Hall | B | Wall | Beige | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 205 | 2nd | Hall | C | Wall | Beige | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 207 | 2nd | Hall | D | Wall | Beige | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 208 | 2nd | Hall | C | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 209 | 2nd | Hall | B | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 210 | 2nd | Hall | A | Stair Baluster | Blue | Metal | Intact | Negative | 0.04 ± 0.18 |
| 211 | 2nd | Hall | A | Stair Tread | Blue | Metal | Intact | Negative | 0.00 ± 0.02 |

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| 212 | 2nd | Hall | Cr | Stair Column | Blue | Metal | Intact | Negative | 0.00 ± 0.02 |
| 213 | 3rd | Room 6 | D | Window Sill | Varnish | Wood | Fair | Negative | 0.00 ± 0.02 |
| 214 | 3rd | Room 6 | D | Window Casing | Varnish | Wood | Fair | Negative | 0.00 ± 0.02 |
| 215 | 3rd | Room 6 | A | Radiator | White | Metal | Intact | Negative | 0.00 ± 0.02 |
| 216 | 3rd | Room 6 | A | Wall | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 217 | 3rd | Room 6 | B | Wall | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 218 | 3rd | Room 6 | C | Wall | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 219 | 3rd | Room 6 | D | Wall | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 220 | 3rd | Room 6 | A | Ceiling | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 221 | 3rd | Room 6 | B | Opening Casing | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 222 | 1st | Base Stairs | D | Door | Varnish | Wood | Fair | Negative | 0.00 ± 0.02 |
| 223 | 1st | Base Stairs | D | Door Jamb | Varnish | Wood | Fair | Negative | 0.00 ± 0.02 |
| 224 | 1st | Base Stairs | A | Wall | Red | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 225 | 1st | Base Stairs | C | Wall | Red | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 226 | 1st | Base Stairs | D | Ceiling | White | Drywall | Intact | Negative | 0.01 ± 0.07 |
| 227 | 1st | Base Stairs | D | Ceiling Joist | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 228 | Base | Base Stairs | B | Stair Riser | White | Wood | Intact | Negative | 0.17 ± 0.17 |
| 229 | Base | Base Stairs | B | Stair Riser | White | Wood | Intact | Negative | 0.15 ± 0.16 |
| 230 | Base | Base Stairs | A | Stair Tread | Unpainted | Wood | Intact | Negative | 0.00 ± 0.02 |
| 231 | Base | Base Stairs | A | Wall - Lower | Brown | Drywall | Fair | Negative | 0.00 ± 0.02 |
| 232 | Base | Base Stairs | C | Wall - Lower | Brown | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 233 | Base | Base Stairs | A | Wall - Lower | Brown | Stone | Intact | Negative | 0.06 ± 0.05 |
| 234 | Base | Base Stairs | C | Corner Trim | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 235 | Base | Base Stairs | D-A | Access Door | White | Wood | Intact | Negative | 0.01 ± 0.03 |
| 236 | Base | Base Stairs | D-A | Access Door Trim | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 237 | Base | Base Stairs | B | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 238 | Base | Base Stairs | A | Wall | Red | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 239 | Base | Base Stairs | C | Wall | Red | Drywall | Intact | Negative | 0.25 ± 0.56 |
| 240 | Base | Base Stairs | D | Wall - Upper | Red | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 241 | Base | Base Stairs | D | Wall Trim | Red | Wood | Intact | Negative | 0.00 ± 0.02 |
| 242 | Base | Base Stairs | C | Post | Red | Wood | Intact | Negative | 0.00 ± 0.02 |
| 243 | Base | Base Stairs | B | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 244 | Base | Room 1 | C | Window Sill | White | Wood | Poor | Positive | 2.50 ± 0.90 |
| 245 | Base | Room 1 | C | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 246 | Base | Room 1 | D | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 247 | Base | Room 1 | D | Door Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 248 | Base | Room 1 | D | Door Threshold | Gray | Wood | Poor | Negative | 0.12 ± 0.12 |
| 249 | Base | Room 1 | D | Door Threshold | Gray | Wood | Poor | Positive | 6.50 ± 4.50 |
| 250 | Base | Room 1 | B | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 251 | Base | Room 1 | B | Door Casing | White | Wood | Intact | Negative | 0.01 ± 0.04 |
| 252 | Base | Room 1 | D | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 253 | Base | Room 1 | B | Baseboard | Red | Drywall | Fair | Negative | 0.01 ± 0.05 |
| 254 | Base | Room 1 | B | Wall Rht | Red | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 255 | Base | Room 1 | C | Wall | Red | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 256 | Base | Room 1 | D | Wall - Upper | Red | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 257 | Base | Room 1 | D | Wall - Ledge | Red | Wood | Intact | Negative | 0.00 ± 0.02 |
| 258 | Base | Room 1 | C | Ceiling | White | Wood | Intact | Negative | 0.01 ± 0.02 |
| 259 | Base | Room 1 | B | Door Jamb | White | Wood | Intact | Positive | 2.30 ± 0.90 |
| 260 | Base | Room 1 | B | Door Header | White | Wood | Intact | Positive | 2.00 ± 0.80 |
| 261 | Base | Bedroom | C | Window Sill Rht | White | Wood | Intact | Positive | 4.80 ± 2.80 |
| 262 | Base | Bedroom | C | Window Stop | White | Wood | Intact | Positive | 4.20 ± 2.80 |
| 263 | Base | Bedroom | C | Window Casing | White | Wood | Intact | Negative | 0.04 ± 0.13 |

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| 264 | Base | Bedroom | C | Window Casing Outer | Gold | Wood | Intact | Positive | 4.80 ± 2.60 |
| 265 | Base | Bedroom | D | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 266 | Base | Bedroom | D | Door Jamb | White | Wood | Intact | Positive | 4.00 ± 2.40 |
| 268 | Base | Bedroom | D | Door Casing | White | Wood | Intact | Negative | 0.08 ± 0.24 |
| 269 | Base | Bedroom | B | Door Rht | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 270 | Base | Bedroom | B | Door Jamb | White | Wood | Poor | Positive | 2.00 ± 0.90 |
| 271 | Base | Bedroom | B | Door Casing | White | Wood | Poor | Negative | 0.03 ± 0.13 |
| 272 | Base | Bedroom | B | Door (to Kit.) | White | Wood | Poor | Negative | 0.00 ± 0.02 |
| 273 | Base | Bedroom | B | Door Casing | White | Wood | Intact | Negative | 0.05 ± 0.19 |
| 274 | Base | Bedroom | B | Door Jamb | White | Wood | Intact | Positive | 2.10 ± 0.80 |
| 275 | Base | Bedroom | A | Closet Door | White | Wood | Intact | Negative | 0.01 ± 0.05 |
| 276 | Base | Bedroom | A | Closet Jamb | White | Wood | Intact | Positive | 2.00 ± 0.90 |
| 277 | Base | Bedroom | A | Closet Baseboard | White | Wood | Intact | Negative | 0.03 ± 0.10 |
| 278 | Base | Bedroom | A | Closet Wall | Beige | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 279 | Base | Bedroom | B | Baseboard | White | Wood | Intact | Negative | 0.07 ± 0.24 |
| 280 | Base | Bedroom | A | Wall | Beige | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 281 | Base | Bedroom | B | Wall | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 283 | Base | Bedroom | C | Wall | Gold | Drywall | Intact | Positive | 2.00 ± 0.70 |
| 284 | Base | Bedroom | D | Wall | Gold | Drywall | Intact | Null | 0.00 ± 0.02 |
| 285 | Base | Bedroom | D | Wall | Gold | Drywall | Intact | Positive | 2.00 ± 0.80 |
| 286 | Base | Bedroom | C | Ceiling | White | Drywall | Intact | Negative | 0.01 ± 0.03 |
| 287 | Base | Room 3 | B | Window Sill | White | Wood | Intact | Positive | 3.40 ± 2.20 |
| 288 | Base | Room 3 | B | Window Casing | White | Wood | Intact | Positive | 4.10 ± 2.80 |
| 289 | Base | Room 3 | C | Window Sill | White | Wood | Poor | Positive | 3.50 ± 2.30 |
| 290 | Base | Room 3 | C | Window Casing | White | Wood | Poor | Positive | 3.20 ± 1.90 |
| 291 | Base | Room 3 | A | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 292 | Base | Room 3 | A | Door Jamb | White | Wood | Poor | Positive | 3.50 ± 2.10 |
| 293 | Base | Room 3 | A | Door Casing | White | Wood | Poor | Positive | 2.30 ± 0.90 |
| 294 | Base | Room 3 | D | Door | White | Wood | Poor | Negative | 0.00 ± 0.02 |
| 295 | Base | Room 3 | D | Door Casing | White | Wood | Poor | Positive | 2.80 ± 1.80 |
| 296 | Base | Room 3 | A | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 297 | Base | Room 3 | D | Baseboard | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 298 | Base | Room 3 | A | Wall | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 299 | Base | Room 3 | B | Wall | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 300 | Base | Room 3 | C | Wall | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 301 | Base | Room 3 | D | Wall | Gold | Drywall | Intact | Negative | 0.01 ± 0.02 |
| 302 | Base | Room 3 | A | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 303 | Base | Bath | B | Window Sill | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 304 | Base | Bath | B | Window Sill | White | Wood | Intact | Negative | 0.02 ± 0.08 |
| 305 | Base | Bath | B | Window Sill Lvr | White | Wood | Intact | Positive | 1.70 ± 0.70 |
| 306 | Base | Bath | C | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 307 | Base | Bath | C | Door Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 308 | Base | Bath | D | Baseboard | Brown | Wood | Intact | Negative | 0.00 ± 0.02 |
| 309 | Base | Bath | A | Wall | Brown | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 310 | Base | Bath | B | Wall | Brown | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 311 | Base | Bath | C | Wall | Brown | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 312 | Base | Bath | D | Wall | Brown | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 313 | Base | Bath | C | Ceiling | White | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 314 | Base | Kitchen | B | Window Sill | White | Wood | Intact | Negative | 0.03 ± 0.13 |
| 315 | Base | Kitchen | B | Window Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 316 | Base | Kitchen | B | Window Sill Lwr | White | Wood | Poor | Negative | 0.00 ± 0.02 |
| 317 | Base | Kitchen | B | Window Sill Lwr | White | Wood | Poor | Negative | 0.00 ± 0.02 |

| Index | FL | ROOM | SIDE | COMPONENT | COLOR | SUBSTRATE | CONDITION | Results | PbC |
|-------|------|----------------|------|----------------------|-----------|-----------|------------------------|----------|---------------|
| 318 | Base | Kitchen | B | Door | Brown | Wood | Intact | Negative | 0.01 ± 0.03 |
| 319 | Base | Kitchen | B | Door Jamb | Brown | Wood | Intact | Negative | 0.00 ± 0.02 |
| 320 | Base | Kitchen | B | Door Casing | Brown | Wood | Intact | Positive | 3.20 ± 2.00 |
| 321 | Base | Kitchen | C | Door Casing | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 322 | Base | Kitchen | C | Door Jamb | White | Wood | Intact | Positive | 2.70 ± 1.70 |
| 323 | Base | Kitchen | C | Door Casing | White | Wood | Intact | Negative | 0.05 ± 0.19 |
| 324 | Base | Kitchen | A | Door | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 325 | Base | Kitchen | A | Door Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 326 | Base | Kitchen | C | Baseboard | Unpainted | Wood | Intact | Negative | 0.02 ± 0.06 |
| 327 | Base | Kitchen | C | Door Casing Outer | Gold | Wood | Intact | Positive | 3.50 ± 1.10 |
| 328 | Base | Kitchen | D | Door Jamb | White | Wood | Intact | Negative | 0.09 ± 0.27 |
| 329 | Base | Kitchen | D | Door Casing | White | Wood | Intact | Positive | 3.40 ± 2.10 |
| 330 | Base | Kitchen | A | Radiator | White | Metal | Intact | Negative | 0.00 ± 0.02 |
| 331 | Base | Kitchen | D | Cabinet Door Lwr | Varnish | Wood | Intact | Negative | 0.00 ± 0.02 |
| 332 | Base | Kitchen | A | Wall - Upper | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 333 | Base | Kitchen | B | Wall - Lower | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 334 | Base | Kitchen | C | Wall | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 335 | Base | Kitchen | C | Wall | Gold | Drywall | Intact | Negative | 0.00 ± 0.02 |
| 337 | Base | Kitchen | C | Ceiling | White | Drywall | Intact | Null | 0.00 ± 0.02 |
| 338 | Base | Kitchen | C | Ceiling Trim | White | Wood | Intact | Positive | 1.90 ± 0.60 |
| 339 | Base | Storage | C | Window Sill | Blue | Wood | Poor | Negative | 0.02 ± 0.04 |
| 340 | Base | Storage | C | Window Casing | Blue | Wood | Poor | Positive | 2.00 ± 0.80 |
| 341 | Base | Storage | C | Window Sill | Blue | Wood | Poor | Negative | 0.16 ± 0.15 |
| 342 | Base | Storage | B | Door | Brown | Wood | Intact | Negative | 0.00 ± 0.02 |
| 343 | Base | Storage | B | Door Jamb | Brown | Wood | Intact | Negative | 0.02 ± 0.05 |
| 344 | Base | Storage | A | Wall | Blue | Wood | Intact | Negative | 0.14 ± 0.19 |
| 345 | Base | Storage | B | Wall | Blue | Wood | Intact | Negative | 0.09 ± 0.14 |
| 346 | Base | Storage Closet | B | Wall Lft | Blue | Wood | Poor | Positive | 1.30 ± 0.20 |
| 347 | Base | Storage | C | Wall | Blue | Wood | Intact | Negative | 0.02 ± 0.05 |
| 348 | Base | Storage | C | Wall | Blue | Wood | Intact | Negative | 0.01 ± 0.03 |
| 349 | Base | Storage | C | Ceiling | Blue | Wood | Poor | Negative | 0.11 ± 0.14 |
| 350 | Base | Storage | C | Ceiling | Blue | Wood | Poor | Negative | 0.06 ± 0.11 |
| 351 | | | | Calibration- Surface | | | 1.53mg/cm ² | Positive | 1.50 ± 0.30 |
| 352 | | | | Calibration- Surface | | | 1.04mg/cm ² | Positive | 1.00 ± 0.10 |
| 354 | | | | Calibration- Surface | | | 1.04mg/cm ² | Positive | 1.10 ± 0.10 |
| 355 | | | | Calibration- Surface | | | 1.04mg/cm ² | Positive | 1.10 ± 0.10 |
| 356 | | | | Calibration- Surface | 07-11-18 | | 0.01mg/cm ² | Negative | 0.00 ± 0.02 |
| 357 | | | | Calibration- Surface | 07-20-18 | | 1.53mg/cm ² | Positive | 1.50 ± 0.20 |
| 358 | | | | Calibration- Surface | | | 1.04mg/cm ² | Positive | 1.00 ± 0.10 |
| 359 | | | | Calibration- Surface | | | 1.04mg/cm ² | Positive | 1.10 ± 0.10 |
| 360 | | | | Calibration- Surface | | | 1.04mg/cm ² | Positive | 1.00 ± 0.10 |
| 361 | | | | Calibration- Surface | | | 0.01mg/cm ² | Negative | 0.00 ± 0.02 |
| 363 | | Exterior | A | Door | White | Metal | Intact | Negative | 0.00 ± 0.02 |
| 364 | | Exterior | A | Door Jamb | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 365 | | Exterior | A | Door Casing | White | Wood | Fair | Positive | 26.10 ± 17.20 |
| 366 | | Exterior | A | Bracket | White | Wood | Intact | Positive | 17.20 ± 12.80 |
| 367 | | Exterior | A | Ceiling | Green | Wood | Peeling | Positive | 20.00 ± 14.30 |
| 368 | | Exterior | A | Ext. Siding | Green | Wood | Peeling | Positive | 20.90 ± 14.30 |
| 369 | | Exterior | A | Landing Railing | White | Wood | Peeling | Negative | 0.01 ± 0.03 |
| 370 | | Exterior | A | Landing Baluster | White | Wood | Intact | Negative | 0.01 ± 0.03 |
| 371 | | Exterior | A | Window Blind Stop | White | Wood | Defective | Positive | 7.50 ± 4.00 |
| 372 | | Exterior | A | Window Sill | White | Wood | Defective | Positive | 1.80 ± 0.70 |

| Index | FL | ROOM | SIDE | COMPONENT | COLOR | SUBSTRATE | CONDITION | Results | PbC |
|-------|----|-----------|------|----------------------|-----------|-----------|------------------------|----------|---------------|
| 373 | | Exterior | A | Ext. Siding | Orange | Metal | Intact | Negative | 0.00 ± 0.02 |
| 374 | | Exterior | A | Ext. Siding | Orange | Metal | Intact | Negative | 0.50 ± 0.40 |
| 375 | | Exterior | A-D | Door | White | Wood | Intact | Negative | 0.01 ± 0.03 |
| 376 | | Exterior | A-D | Door | White | Wood | Intact | Negative | 0.04 ± 0.13 |
| 377 | | Exterior | A-D | Door Jamb | White | Wood | Damaged | Positive | 1.80 ± 0.70 |
| 378 | | Exterior | A-D | Door Jamb | White | Wood | Damaged | Positive | 2.40 ± 1.30 |
| 379 | | Exterior | A-D | Door Threshold | White | Wood | Intact | Positive | 2.30 ± 0.90 |
| 380 | | Exterior | A-D | Door Threshold | White | Wood | Intact | Positive | 3.60 ± 2.30 |
| 381 | | Exterior | A-D | Door Threshold Lwr | White | Wood | Poor | Positive | 11.00 ± 9.60 |
| 382 | | Exterior | A-D | Door Kick Plate | Orange | Wood | Intact | Positive | 21.40 ± 12.50 |
| 383 | | Exterior | A | Porch Rail Cap | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 384 | | Exterior | D | Porch Rail Cap | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 385 | | Exterior | D | Porch Baluster | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 386 | | Exterior | C | Porch Baluster | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 387 | | Exterior | A | Porch Baluster | White | Wood | Intact | Negative | 0.00 ± 0.02 |
| 389 | | Exterior | A | Porch Column | White | Wood | Intact | Positive | 16.40 ± 10.40 |
| 390 | | Exterior | D | Porch Column Ctr | White | Wood | Intact | Positive | 19.30 ± 13.80 |
| 391 | | Exterior | D | Porch Upper Trim | White | Wood | Intact | Positive | 22.40 ± 15.90 |
| 392 | | Exterior | D | Porch Upper Trim | White | Wood | Intact | Positive | 24.10 ± 16.20 |
| 393 | | Exterior | A | Porch Floor | Brown | Wood | Peeling | Negative | 0.02 ± 0.05 |
| 394 | | Exterior | A | Porch Floor | Brown | Wood | Peeling | Positive | 1.80 ± 0.80 |
| 395 | | Exterior | D | Porch Floor | Brown | Wood | Peeling | Negative | 0.30 ± 0.28 |
| 396 | | Exterior | D | Porch Floor | Brown | Wood | Peeling | Negative | 0.20 ± 0.35 |
| 397 | | Exterior | D | Porch Floor | Brown | Wood | Peeling | Positive | 1.90 ± 0.80 |
| 398 | | Exterior | A | Ext. Soffit | White | Wood | Intact | Positive | 1.40 ± 0.30 |
| 399 | | Exterior | D | Porch Floor Trim | White | Wood | Intact | Negative | 0.09 ± 0.30 |
| 400 | | Exterior | B | Door (to LL) | Varnish | Wood | Intact | Negative | 0.05 ± 0.09 |
| 401 | | Exterior | B | Door Jamb | White | Wood | Intact | Positive | 23.30 ± 15.70 |
| 402 | | Exterior | B | Door Threshold | Brown | Wood | Intact | Negative | 0.01 ± 0.02 |
| 403 | | Exterior | B | Door Kick Plate | Brown | Wood | Intact | Negative | 0.80 ± 0.20 |
| 404 | | Exterior | B | Ext. Foundation | Tan | Concrete | Intact | Negative | 0.02 ± 0.03 |
| 405 | | Exterior | B | Ext. Foundation | Tan | Brick | Intact | Negative | 0.08 ± 0.08 |
| 406 | | Exterior | B | Ext. Siding | Orange | Metal | Intact | Negative | 0.01 ± 0.02 |
| 407 | | Exterior | B | Bracket | Unpainted | Wood | Intact | Negative | 0.00 ± 0.02 |
| 409 | | Exterior | C | Ext. Siding | Orange | Metal | Intact | Negative | 0.00 ± 0.02 |
| 410 | | Exterior | C | Ext. Foundation | Tan | Concrete | Poor | Negative | 0.17 ± 0.07 |
| 411 | | Exterior | C | Window Sash Ext. | White | Wood | Poor | Positive | 2.10 ± 0.80 |
| 412 | | Shed Ext. | B | Door Casing | White | Wood | Peeling | Negative | 0.07 ± 0.12 |
| 413 | | Shed Ext. | B | Door Casing | White | Wood | Peeling | Negative | 0.03 ± 0.08 |
| 414 | | Shed Ext. | A | Door | White | Wood | Peeling | Positive | 13.50 ± 9.00 |
| 415 | | Shed Ext. | A | Overhead Dr Jamb | White | Wood | Peeling | Negative | 0.50 ± 0.40 |
| 416 | | Shed Ext. | A | Overhead Dr Jamb | White | Wood | Peeling | Negative | 0.80 ± 0.20 |
| 417 | | Shed Ext. | A | Ext. Siding Upc | White | Wood | Peeling | Positive | 6.30 ± 2.40 |
| 418 | | Shed Ext. | A | Ext. Soffit | White | Wood | Peeling | Positive | 12.10 ± 10.50 |
| 419 | | | | Calibration- Surface | | | 1.53mg/cm ² | Positive | 1.50 ± 0.20 |
| 420 | | | | Calibration- Buried | | | 1.04mg/cm ² | Positive | 1.10 ± 0.10 |
| 421 | | | | Calibration- Buried | | | 1.04mg/cm ² | Positive | 1.00 ± 0.10 |
| 422 | | | | Calibration- Buried | | | 1.04mg/cm ² | Positive | 1.10 ± 0.10 |
| 423 | | | | Calibration-Buried | | | 0.01mg/cm ² | 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: 18-07-03034

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

Received Date: 07/23/2018
Analyzed Date: 07/25/2018
Reported Date: 07/26/2018

Project/Test Address: 18-0233; 34 Happy St.; Norwich, CT 06360
Collection Date: 07/11/2018

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 |
|-------------------|----------------------|-----------------------|---------|---------------|------------------------------|-------------------------------------|--------------|
| 18-07-03034-001 | DW-1 | A SIDE KITCHEN | FL | <5.00 | 1.00 | <5.00 | |
| 18-07-03034-002 | DW-2 | A SIDE KITCHEN | SL | 15.9 | 0.667 | 23.8 | |
| 18-07-03034-003 | DW-3 | D SIDE FOYER | FL | 8.20 | 1.00 | 8.20 | |
| 18-07-03034-004 | DW-4 | C SIDE ROOM 4 2ND FL | CP | <5.00 | 1.00 | <5.00 | |
| 18-07-03034-005 | DW-5 | C SIDE ROOM 4 2ND FL | SL | 179 | 0.524 | 341 | |
| 18-07-03034-006 | DW-6 | A SIDE ROOM 3 2ND FL | WW | 387 | 0.660 | 587 | |
| 18-07-03034-007 | DW-7 | D SIDE LIVING ROOM LL | FL | 13.1 | 0.812 | 16.1 | |
| 18-07-03034-008 | DW-8 | C SIDE LIVING ROOM LL | SL | 406 | 0.792 | 513 | |
| 18-07-03034-009 | DW-9 | A SIDE DINING RM LL | FL | <5.00 | 1.00 | <5.00 | |
| 18-07-03034-010 | DW-10 | B SIDE DINING RM LL | WW | 1670 | 0.562 | 2970 | |

Environmental Hazards Services, L.L.C

Client Number: 07-1566
Project/Test Address: 18-0233; 34 Happy St.; Norwich, CT 06360

Report Number: 18-07-03034

| Lab Sample Number | Client Sample Number | Collection Location | Surface | Total Pb (ug) | Wipe Area (ft ²) | Concentration (ug/ft ²) | Narrative ID |
|-------------------|----------------------|---------------------|---------|---------------|------------------------------|-------------------------------------|--------------|
|-------------------|----------------------|---------------------|---------|---------------|------------------------------|-------------------------------------|--------------|

Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #: CT PH-0234

Reviewed By Authorized Signatory:



Deborah Britt

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 Services, L.L.C.

ELLAP Accreditation through AIHA-LAP, LLC (100420), NY ELAP #11714.

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

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

18-07-03034



Due Date:
 07/26/2018
 (Thursday)
 AE

AMM

CHAIN OF CUSTODY FORM

Date: July 21, 2018
 Company Name: CT Lead Paint Solutions, LLC
 Address: 1245 Hebron Ave.
 City, State, Zip: Glastonbury, CT 06033
 Phone: 860-633-3330
 Project Name: Rivera Residence
 Assessment Tests
 Project Address: 34 Happy St, Norwich, CT 06360
 Project Number: 18-0233

E-mail to:
andrew@ctleadpaint.com
 Dates of Collections:
 July 11, 2018

| Matrix | Method | Instrument | Method Detect Limits | TAT |
|--------------|-----------------|-------------------------|----------------------|-----------|
| Lead in Dust | EPA SW 846 7420 | Flame Atomic Absorption | 3.0 µg/wipe | three day |

Lead Wipes Used Lead in Dust

| Sample # | Area size/ Sq. inch | Location Sample and substrate | Room or Area |
|-----------|------------------------|-----------------------------------|----------------------------|
| DW-1 | 144.00 | Floor, A side, ceramic | Kitchen |
| DW-2 | 96.00 | Window sill, A side, left, wood | Kitchen |
| DW-3 | 144.00 | Floor, D side, wood | Foyer |
| DW-4 | 144.00 | Floor, C side, carpet | Room 4, 2 nd fl |
| DW-5 | 75.50 | Window sill, C side, wood | Room 4, 2 nd fl |
| DW-6 | 95.00 | Window well, A side, right, vinyl | Room 3, 2 nd fl |
| DW-7 | 117.00 | Floor, D side, vinyl (near door) | Living Room, LL |
| DW-8 | 114.00 | Window sill, C side, wood | Living Room, LL |
| DW-9 | 144.00 | Floor, A side, vinyl | Dining Rm, LL |
| DW-10 | 81.00 | Window well, B side, vinyl | Dining Rm, LL |
| | | | |
| | | | |
| Collected | Andrew Miller | Signature <i>Andrew Miller</i> | Date: July 11, 2018 |
| Mailed | Andrew Miller | Signature <i>Andrew Miller</i> | Date: July 21, 2018 |
| Received | <i>Greg</i> | <i>[Signature]</i> | Date: 7/23/18 12:30 |



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

Lead in Soil Analysis Report

Report Number: 18-07-03046

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

Received Date: 07/23/2018
 Analyzed Date: 07/26/2018
 Reported Date: 07/26/2018

Project/Test Address: 18-0233; Rivera Residence Assessment Tests; 34 Happy St.; Norwich, CT 06360
 Collection Date: 07/11/2018

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 |
|-------------------|----------------------|---------------------|--------------------------|--------------|
| 18-07-03046-001 | SOIL-6 | B, C AND D SIDE | 1100 | |
| 18-07-03046-002 | SOIL-7 | B SIDE | 370 | |

Method: ASTM E-1979-17/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.

ELLAP Accreditation through AIHA-LAP, LLC (100420), NY ELAP #11714.

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

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

18-07-03046



Due Date:
 07/26/2018
 (Thursday)
 AE

AMC

CHAIN OF CUSTODY FORM

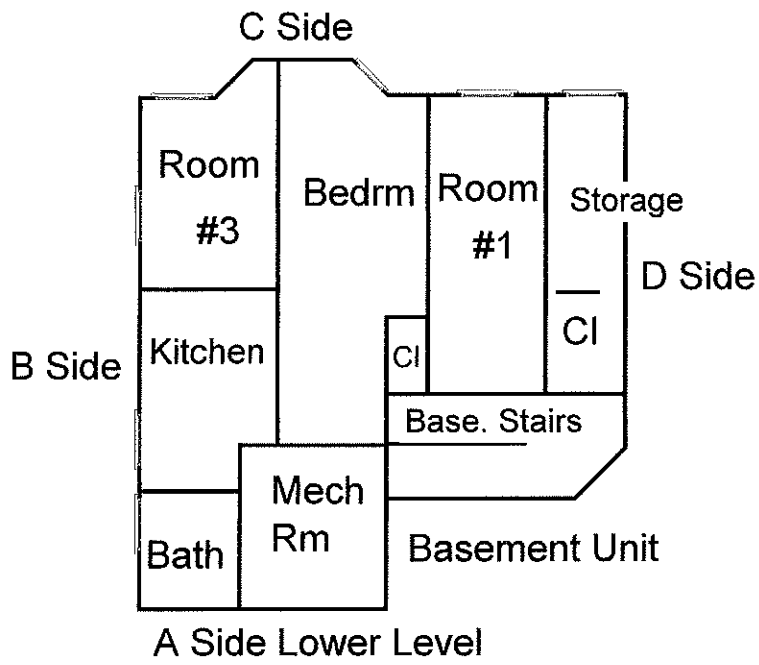
Date: July 21, 2018
 Company Name: CT Lead Paint Solutions, LLC
 Address: 1245 Hebron Ave.
 City, State, Zip: Glastonbury, CT 06033
 Phone: 860-633-3330
 Project Name: Rivera Residence
 Assessment Tests
 Project Address: 34 Happy St, Norwich, CT 06360
 Project Number: 18-0233

E-mail to;
andrew@ctleadpaint.com
 Dates of Collections;
 July 11, 2018

| Matrix | Method | Instrument | mdls | TAT |
|--------------|-------------|-------------------------|-------------------|------------|
| Lead in Soil | EPA846-7420 | Flame Atomic Absorption | 20mg/kg 20 ppm | three days |

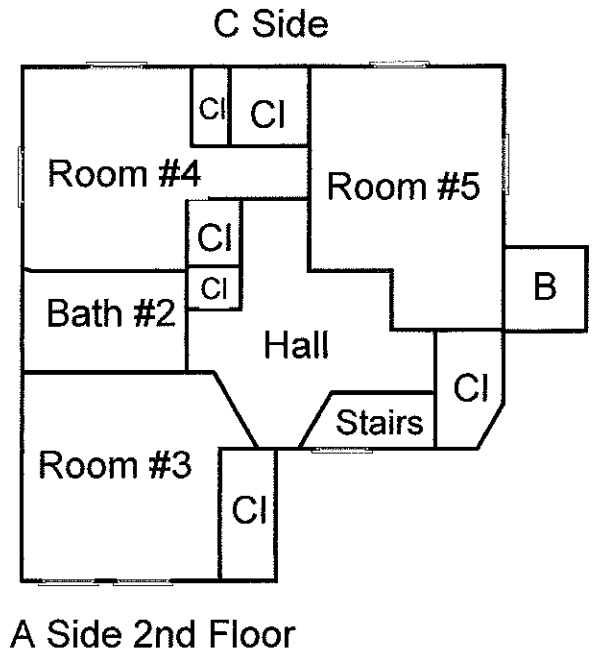
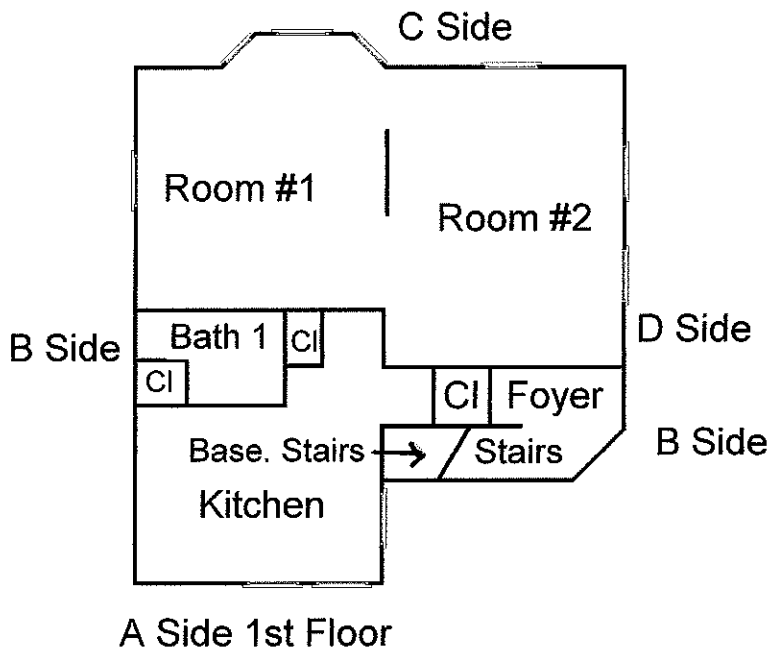
Lead in Soil

| Sample # | Exterior Area | Location Sample | Comments | Lab notes |
|-------------|--|--|---------------------|-----------|
| Soil - 6 | Collected from within 1 foot of the foundation | B, C and D side (not collected from mulched areas on B side) | 8 composite sample | |
| Soil - 7 | Collected from side yard, near play equipment | B side | 8 composite sample | |
| | | | | |
| | | Lab, please mix sample | | |
| | | | | |
| Collected | Andrew Miller | Sign. <i>Andrew Miller</i> | Date: July 20, 2018 | |
| Mailed by | Andrew Miller | Sign. <i>Andrew Miller</i> | Date: July 21, 2018 | |
| Received by | <i>GRFC</i> | Sign. <i>[Signature]</i> | Date: 7/23/18 12:30 | |

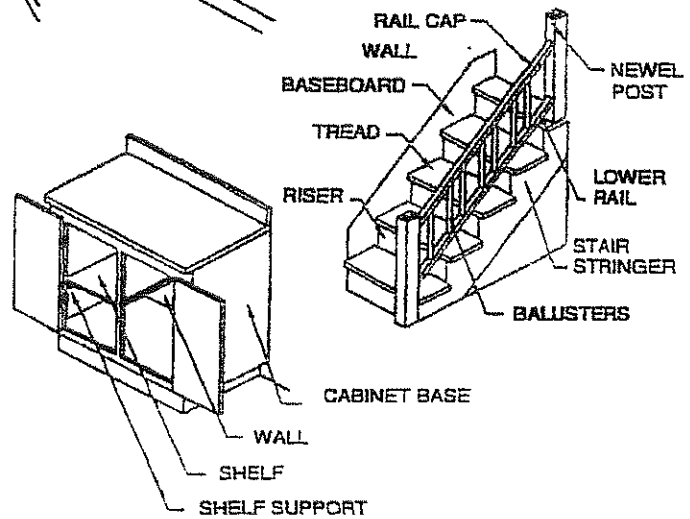
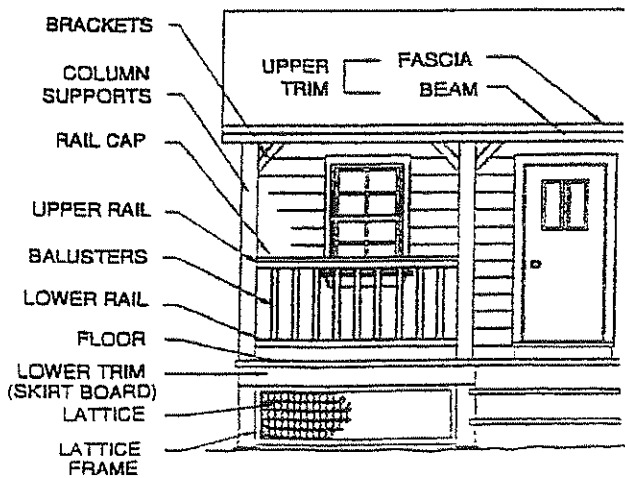
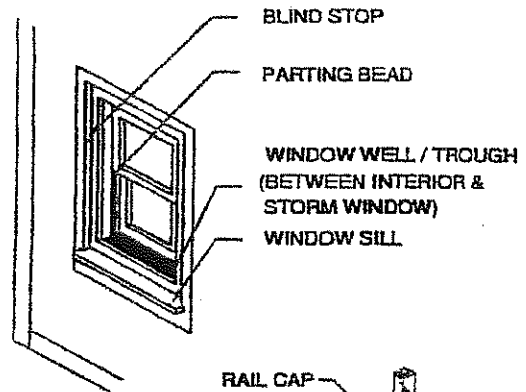
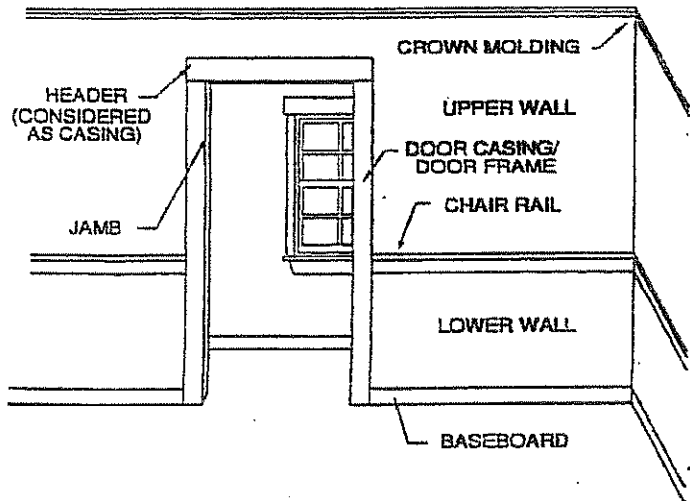
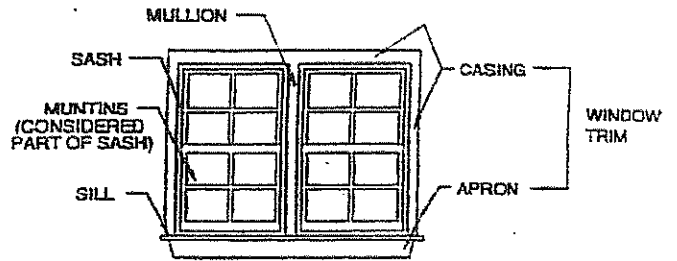
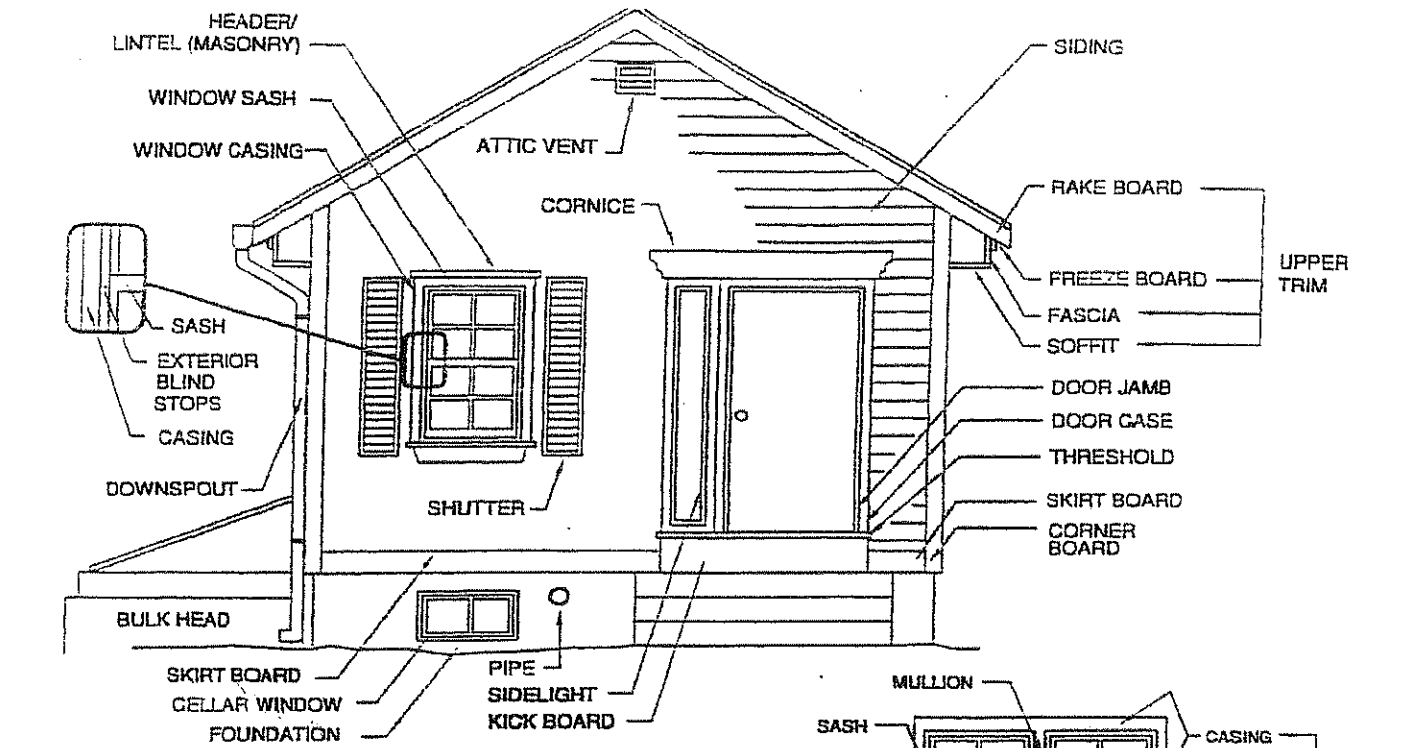


Room sizes not to scale

B = Balcony



34 Happy St, Norwich, CT 06360



**Lead Abatement Plan
for
34 Happy St
Norwich, CT 06360**

A. Background Information

This abatement plan was submitted on November 05, 2018.

Address of property to be abated;
34 Happy St
Norwich, CT 06360

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

The property was inspected 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 July 11 and 20, 2018.

B. Owner/Owner Agent Information

The owners and agent of the house is;
Teolinda Rivera
34 Happy St
Norwich, CT 06360
845-710-2497

C. Resident Information

At the time of the inspection no children under the age of Six years resided in the dwelling. The occupants will be notified at least 5 days prior to starting any work.

D. **Abatement Contractor Information**

The lead abatement contractor has not been selected yet. The Uncas Health Department will be notified when the selection has been made and before any work is started.

E. **Repairs Prior to Abatement**

No repair appear to be required prior to starting the abatement work.

F. **Abatement Techniques to be Used**

1. **Component Replacement.** Replace positive wood window sashes with Vinyl Replacement Windows (VRW) and some existing doors with new pre-hung door units. The replacement windows will cover all impact and friction surfaces on the window wells and all parting beads will be removed.
2. **Liquid Encapsulation.** Remove all defective paint, feather out all edges, wet sand and wash surface, on both the interior and exterior. Prime as required and paint with an approved encapsulating paint. The encapsulating paint must contain Bitrex.
3. **Rigid Encapsulation.** Cover the exterior window blind stops and sills on the house with aluminum trim.

Please Note; As an alternative method to removing paint from interior door jambs, the door stops may be removed and luan added to cover the complete door jamb. Add new door stops and adjust doors, as needed. This process is not to be used on any exterior entrance door unit.

The abatement contractor and/or owner 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 is currently unknown. The Uncas Health Department will be notified 5 days prior to starting any abatement work.

H. Notification To The Connecticut Historical Commission

This house was built in 1891. The City of Norwich will notify the Connecticut Historical Commission, if required to do so

I. Occupant Notification Procedure

The owner or contractor will provide all tenants with the EPA guide titled; Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools.

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. All windows and entrance doors must be covered with plastic, until all surfaces on that side are prepared for painting and primed.

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 24 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, overhead door 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, 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 easiest 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 the Uncas Health Department , 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 was performed, one on a floor, one on a window interior sill and one on a window well in each room or area.

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 Department.

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 Department 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 Department.

Abatement Sheet for
34 Happy St
Norwich, CT 06360

| Room or Area | Component, number of components, Substrate | Location | Abatement Method | Comments |
|-----------------------------|--|----------|--|---|
| 1st Floor | | | | |
| Kitchen | Window sill and casing, 2, wood | A side | Prepare and encapsulate | Windows are vinyl |
| | Closet casing, 1, wood | B side | Prepare and encapsulate | Jamb is neg, for LBP |
| | Window sash, 1, vinyl | D side | Re-adjust window so it is weather tight on both interior and exterior, currently has a gap on ext. | |
| Bath | Closet casing and jamb, 1, wood (door is neg. for LBP) | A side | | Alternative method; replace with new door jamb and casing. Re-use door if feasible. |
| Room 1 | Window sill, 1, wood | B side | Prepare and encapsulate | Casing is neg. for LBP |
| | Door casing, 1, wood (Bath) | A side | Prepare and encapsulate | Jamb is neg. for LBP |
| Room 2 | Window sills, 2, wood | D side | Prepare and encapsulate | Casings are neg. for LBP |
| Foyer | Door casing, 1, wood | D/A side | Replace with new | Complete unit to be replaced (See Exterior) |
| Stairwell | Window sash, 1, wood | A side | Prepare and encapsulate | Sash is non-operable |
| 2nd Floor | | | | |
| Room 4 | Window sashes, 2 wood | B and C | Replace with vinyl replacement units. | Try to match existing windows |
| Lower Level Apt. | | | | |
| Room 1 | Window sill, 1, wood | C side | Prepare and encapsulate | Casing is neg. for LBP |
| | Door Threshold, 1, wood | D side | Remove all paint, test with XRF to ensure lead levels are below regulatory limits. Paint or varnish 2 coats, owner to pick finish. | |
| | Door jamb and header, wood | B side | Replace frame with new | Door is neg. for LBP re-use if feasible |
| Room 2 | Window sill and casing, 1 or 2, wood (Complete window frame, do all wood trim) | C side, | Prepare and encapsulate | Wall was covered, so there may be 2 window openings |
| | Door jamb, 1, wood | D side | Replace with new door jamb or pre-hung door | Existing door and casing are neg. for LBP |

Abatement sheet for 34 Happy St, Norwich, CT 06360

| Room or Area | Component, number of components, Substrate | Location | Abatement Method | Comments |
|-----------------|--|---------------|--|--|
| Room 2 | Door jamb, 1, wood | B side, right | Replace with new door jamb or pre-hung door | Existing door and casing are neg. for LBP |
| (continued) | Door jamb, 1, wood (to Kitchen, refrigerator blocks opening) | D side, left | Prepare and encapsulate | This door is blocked shut, not an impact surface |
| | Closet jamb, 1, wood | A side | Replace door jamb with new. | Alt method. Remove all paint from impact surfaces. Re-test with XRF after |
| | Closet door, 1, wood | A side | Re-hung door (is upside down), Add door knob | |
| Room 3 | Window sill and casing, 2, wood | B and C sides | Prepare and encapsulate | (window sashes are vinyl) |
| | Door jamb and casing, 1, wood | A side | Replace complete frame with new | Door is neg. for LBP re-use if feasible |
| | Door jamb and casing, 1, wood | D side | Replace complete frame with new | Door is neg. for LBP re-use if feasible |
| Kitchen | Door casing, 1, wood | B side | Prepare and encapsulate | Door and jamb are neg. for LBP |
| | Door jamb, 1, wood | C side | Replace door jamb with new. | Door casing is neg. for LBP |
| | Door casing outer, 1 wood (now gold) | C side | Prepare and encapsulate | Inner casing neg for LBP. |
| | Door casing, 1, wood | D side | Prepare and encapsulate | Behind refrigerator |
| Bath | Lower window sill, 1, wood | B side | Prepare and encapsulate | |
| Storage | Window sill and casing, 1, wood | C side | Prepare and encapsulate | |
| Note: | Note; the owner is to decide if this window opening is to be replaced with a new vinyl window or permanently removed and the opening blocked up, on both interior and exterior sides. Therefore, all interior window trim may be removed. | | | |
| Storage Closet | Wall, wood | B side, left | Prepare and encapsulate | Far left wall toward the front of the house |
| Exterior | Door casing, 1, wood (to kitchen) | A side, left | Prepare and encapsulate | Door and jamb are neg. for LBP |
| | Overhang bracket, ceiling and exposed clapboards, complete overhang, all, wood | A side, left | | Alt. method, cover ceiling, soffit, sides and clapboards with aluminum sides |

Abatement sheet for 34 Happy St, Norwich, CT 06360

| Room or Area | Component, number of components, Substrate | Location | Abatement Method | Comments |
|--------------|--|---------------------|--|---------------------------------------|
| Exterior | Door, jamb, threshold and kick plate, all, wood | A/D side (to foyer) | Replace complete door unit with new metal or fiberglass door, to be picked by owner. Remove all thresholds and replace kickboard with Azak or new wood and aluminum. | |
| | Porch columns, 4, wood | A/D sides | Prepare and encapsulate | |
| | Porch upper trim, soffits, all | A/D sides | Prepare and encapsulate | Alt. method; cover all with aluminum. |
| | Porch floor, all, wood | A/D sides | Hepa vacuum floor to remove all paint chips and cover with ½ inch PT plywood | |
| | Window sash, 1, (stairwell) | A side | Prepare and encapsulate, cover with an energy panel. | |
| | Door jamb, 1, wood (to LL) | B side | Cover with aluminum, add weather strip along edge adjacent to door. | |
| | Window sash, 1, wood | C side | See Note, list above in page 7 | |
| | Aluminum storm windows | All sides | Remove all remaining storm windows. | |
| | Window sills, casings and blind stops, all, wood or aluminum | All sides | After storms are remove, inspect all exterior window frames and replace all damaged aluminum trim and/or cover all exposed wood. Replace all rotten and damaged wood, as needed. Re-fasten all loose aluminum or replace completely. Make weather tight, caulk as, needed. | |
| Shed. | Door, 1, wood | A side | Replace with new door. Or remove all paint from all friction and impact surfaces on the door. Remove all paint from at least 2 inches from all edges on the face of the door which impacts with the door jamb (including the upper style of the door) and feather paint edges. Test all stripped surfaces with XRF instrument to ensure the surfaces are below regulatory limits. Prepare other surfaces and encapsulate. | |
| | Exposed siding and soffits, all, wood | A side | Cover with aluminum or prepare and encapsulate | |
| Grounds | Bare soil, all, adjacent to house | B, C and D sides | Hepa vacuum all visible paint chips and plant grass out 4 feet or prepare beds, add landscape fabric and 4 inches of mulch | |