

Tracy Lewis House
35 Wolfe Avenue
Beacon Falls, Connecticut



Conditions Assessment
&
Reuse Study

May 10, 2010

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Condition Assessment
&
Reuse Study
for
Tracy Lewis House
35 Wolfe Avenue
Beacon Falls, CT

Owner's Representative:

Susan A. Cable
First Selectman
10 Maple Avenue
Beacon Falls, CT 06403

From:

Paul B. Bailey Architect LLC
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In association with:

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Date:

May 10, 2010

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Ms. Susan A. Cable
First Selectman
10 Maple Avenue
Beacon Falls, CT 06403

RE: Condition Assessment & Reuse Study
Tracy Lewis House
35 Wolfe Avenue
Beacon Falls, CT

Dear Ms. Cable:

We are pleased to submit this report, which summarizes the results of our study of the Tracy Lewis House. We have enjoyed working with the Town of Beacon Falls on this project and hope that our work will be useful in the Town's decision-making process regarding this important and valuable site.

Please contact me with any questions or comments.

Sincerely,

Paul B. Bailey, AIA LEED AP

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Tracy S. Lewis House
35 Wolfe Avenue, Beacon Falls, CT

A Brief History

The Tracy S. Lewis house is a large wood frame residence built in 1916 for a wealthy industrialist and socialite. The house, grounds and entire neighborhood was part of a master plan designed by the renowned landscape architects, Olmsted Brothers. The property on which the house was built belonged to the Beacon Falls Rubber Shoe Company and had previously belonged to other mills. The history of these manufacturing companies reflects the history of the town and the entire Naugatuck River valley.

Frontier Hamlet

The area now known as Beacon Falls was part of the Paugasuck tribe's land, at the time of the Puritan settlement. The land on what is now Beacons Falls center, called Nyumps, was sold to Colonel Ebenezer Johnson of Derby by the Paugasuck Chetrenasut in 1700. Part of the trade included Chetrenasut taking Col. Johnson's Indian servant as his wife. Largely cleared and plowed for crops, the first white settlers here were often disturbed by bears and snakes, living in surrounding the rocky hills.

As villages sprung up along the river, the colonists derived power from the moving water by creating canals and mills. Thomas Sanford made friction matches here in 1834. He had previously begun similar operations in Woodbridge and Westville, the latter resulting in the Diamond Match Company. The first real effort to harness the Naugatuck River was in 1850 by the American Hard Rubber Company. A dam and three quarter mile long raceway was constructed, the same canal that exists along Main Street today. In 1853 mill buildings were completed and the process of rubber vulcanization began. The operation ceased in 1860 and the town was nearly deserted.

The Home Woolen Company purchased the old rubber factory in 1863 and began making woolen shawls. Along with the mill building, 30 tenement houses and numerous acres of land were taken over by the new enterprise. The three and a half story mill building was enlarged in 1867 and by 1870 it was 330 ft long, 64 ft wide and built of brick. In 1870 John Wolfe, the local agent for the Home Woolen Company, petitioned the state to incorporate Beacon Falls as a separate town. This was authorized in 1871 when land from Bethany, Naugatuck, Oxford & Seymour were parceled off to make Beacon Falls. The Home Woolen Company was recognized for producing high quality knit goods for soldiers during the Civil War. The mill ceased operations in 1876 and the company was foreclosed by its lenders. Mr. Wolfe was one of these lenders and his claim gave him ownership of the company's machinery, 30 houses and 200 acres of land in 1879. Two lawsuits, one against John Wolfe, alleging falsified records and ownership made national news. In 1880 the mill was reorganized and funded. Its cotton, knit, cassimere and woolen production boomed until 1887, leaving 300 jobless. The plant's closure was in reaction to its profit losses from tariffs on imported wool. In 1889 the Beacon Falls Power & Mill Company, producer of steam power, and the Standard Woolen Company operated here until they ceased in 1897.

In Beacon Falls and neighboring Seymour and Naugatuck, rubber processing was one of the chief industries. The first company to process rubber in Naugatuck was the Goodyear Metallic Rubber Shoe Company, founded by Samuel J. Lewis. In 1864 Samuel's son, George Albert Lewis, joined him, eventually becoming president of the company. George was one of the founding members and director of the Rubber Trust, a committee to represent the rubber trade and manufacturers. His wealth and esteem grew and he became president of the Naugatuck Savings Bank and Naugatuck National Bank. George's first son, Tracy Samuel Lewis, joined him in the management of the rubber business in Naugatuck in 1894.

Hard times were about to hit Naugatuck and the rubber industry. In 1895 George Lewis began to see a production decrease, largely due to the regulations of the Rubber Trust. He believed that the Trust would soon collapse, so he resigned as director and sold most of his stock shares. After a long trip to California he attempted to start an independent rubber factory in Naugatuck. But the Trust continued to be a force, and George resumed his presidency of the Goodyear Metallic Rubber Company. Unemployment was high, morale was low and George's keen intuition told him to find a new venture.

After a meeting with the directors of the Goodyear Metallic Rubber Shoe Company in New York, father and son, George and Tracy Lewis, resigned. Their plans were already in the works for a new rubber company down the river in Beacon Falls. In late 1898 they founded The Beacon Falls Rubber Shoe Company, with Tracy as secretary and treasurer, and George as president. They produced rubber shoes and boots. They developed a national brand label called "Top Notch." The company expanded and opened offices in New York, San Francisco, Minneapolis, Kansas City, Chicago & Boston, the latter becoming the company's headquarters in 1915, although production continued in Beacon Falls.

The company's success continued to spur growth in Beacon Falls. New factory buildings were built and added on to in 1900, 1902, 1909, 1912 & 1915. By 1918 the company employed 1500 people and had 110 traveling salesmen. George Lewis kept his company independent, and he found that he was able to nurture his employees and his products. He instilled a number of social activities for his workers and townspeople including a company band that played out front every noon, and had summer concerts in a park on Main Street. He built a movie theater and an assembly and dance hall. He also considered improving the very homes that his workers lived in. In 1915 Tracy Lewis hired renowned landscape architects, Olmsted Brothers, to design a town plan for both the factory and the highland behind it.

Changes to the town and its sole manufacturing company were happening fast in the second decade of the 20th century. The Olmsted Brothers plan added a new neighborhood with streets and company owned houses to the highland behind the old factory. On January 29, 1914 George Lewis passed away leaving the reins of his presidency to his son. Tracy continued and improved his father's company while investing in other manufacturing concerns around the state. But all changed again when Tracy suddenly died on April 4, 1921. Soon after, one of their largest competitors, the United States Rubber Company, offered to manage the now headless company. Finally all shares and property of the Beacon Falls Rubber Company were sold in 1935.

The Olmsted Brothers Plan

During their height of production, the Beacon Falls Rubber Shoe Company had big plans. With the death of its founder, George Lewis, new ideas and direction could take place. One year after Tracy Lewis became the new head, in 1915, he hired Frederick Law Olmsted, Jr, & John Charles Olmsted, sons of Frederick Law Olmsted, renowned landscape designer of numerous parks, including Central Park in New York City and the World's Fair in Chicago. Tracy wanted these landscape architects to create a more cohesive company town.

The factory fronted Main Street and was bisected by Burton Road, which led up the steep hillside to the upland. The older roads on the highland behind the factory included Burton Road, Wolfe Avenue, Maple Avenue, Century Avenue, Church Street & Division Street. Some of the oldest structures are located along Church Street, Wolfe & Maple Avenues. They were either workers' houses or company built houses, dating from the mid to late 19th century. The present Congregational Church on Wolfe Avenue was originally built in 1871 as the Methodist Church. The original schoolhouse was located next to the Town Hall on the corner of Burton Road & Maple Avenue. The Town Hall was built in 1922 as an addition to the school.

The Olmsted Bros. plans included adding new streets & building lots to this section. This effort would separate the residential section from the industrial and commercial section of town along Main Street. The new streets they designed included South Circle, North Circle & Beacon Street while parts of Maple Avenue, Division Street & Highland Street were turned or extended. Drafts of their plans show a number of variations of the design. A survey from 1920 by the Tide-Water Building Company of New York City shows a number of houses projected to be built on the newly designed streets. It is clear that the houses developed in the Olmsted Bros. plan were built for a number of years after their final design in 1916.

Tracy Samuel Lewis

Tracy Lewis was born on August 6, 1876 in Naugatuck, the son of Emma & George Lewis, a successful rubber manufacturer in that town. After attending Greenwich Academy, Tracy studied at Yale's Sheffield Scientific School, graduating in 1894. He then joined his father in Naugatuck to learn the ropes of the boot-making business. On September 8, 1897, Tracy came back to New Haven as an usher for his college friend, Charles Wilson Hoyt, who later published books on advertising practices.

In 1898 Tracy and his father moved their business interests to Beacon Falls where they opened the Beacon Falls Rubber Shoe Company at the old Home Woolen Company. The property they acquired included the mill, canal, hillside and upland behind the mill. Tracy and his father now had control of the old workers and boarding houses on Wolfe Avenue and other streets on the upland. One house, 25 Wolfe Avenue, became the Lewis' home in Beacon Falls, spacious and convenient to oversee the mill. Tracy became the secretary and treasurer of the new mill. At the same time that the new plant's first rubber shoe was made, Tracy's mother died on March 2, 1899 in Deland, FL. A little over one year later, Tracy's father remarried to Harriet F. Rossiter.

Tracy's life was on the up and up but there were a couple of tragedies that marked his life. He married Edith Gillen of Seattle, Washington but their marriage was ended when she passed away on July 13, 1913. Another tragedy struck when Tracy's father, George, died on January 27, 1914 after being ill for several weeks. Tracy began to seek activities and people who would entertain and enlighten him. He became more political at the same time, being a staunch Republican. He was affiliated with the Yale Club of New York and the Union League Club of New York, both places where the elite society met and networked. Tracy maintained his stature as a manufacturer, being affiliated with Connecticut Mills of Danielson, CT and the Canadian Connecticut Cotton Mills of Quebec. He was also a director of the Naugatuck National Bank and the Killingly Trust Company in Danielson, CT.

Living as a bachelor, Tracy did not hesitate on doing fun and bizarre activities. He was a regular yachtsman, sailing his boat, The Scantia, on the Long Island Sound. He enjoyed the social activities of New York City and took a second residency at one of the apartments above Delmonicos' restaurant. On some occasions, Tracy would return from New York City with an entourage of people, including Broadway showgirls. Jim Woodward, a neighbor to Tracy's house, recalls that his mother, Mrs. Woodward, watched from her fence as the showgirls washed their hair in a rain barrel. They were taking advantage of the naturally soft water found there. New York's tap water had hard ph, and displeased the starlets. Tracy also entertained guests with his pet monkeys. Jim's aunt, Myrtie Woodward, a practicing nurse in New York, was invited to be the house nurse in Beacon Falls, likely caring for Tracy's mother-in-law. Myrtie used her connection to Tracy Lewis to get her brother (Jim's father) a job at the rubber factory. He remembered meeting her in the kitchen of Tracy's house, confronted with his free range monkeys. Their presence was a great nuisance to the servants. The monkeys' cages were seen at that time in the back yard.

Love and stature fell into Tracy's lap when he married into a well-to-do family. On June 14, 1919 Tracy married Grace Garland Meacham, daughter of Frederick Castle and Anna Meacham of Brooklyn, NY. They were married at the Meacham's country home on Lake Winnepesaukee in Wolfeboro, New Hampshire. For their honeymoon, Tracy and Cynthia sailed on his yacht for a tour of the New England coast and Long Island Sound.

At this time the Lewis' kept a home in both Beacon Falls and in Brooklyn, NY. Anna Meacham, Tracy's widowed mother-in-law, lived with them at Beacon Falls. A number of people were employed to help the family, living in the bedrooms on the third floor: Nancy MacDermmott, an English nurse, Mary Flynn, an English housekeeper, John Donovan, an Irish gardener, Airuca Kirai, a Japanese chef and Shuka Kirai, a Japanese waitress. The following year at the country house, a daughter was born, named Cynthia. Tracy's New York apartment became inadequate and he found larger quarters for his wife and child in Brooklyn.

Tracy kept politically active. On May 28, 1920, Tracy attended Carnegie Hall for a debate between Samuel Gompers, President of the American Federation of Labor, and Henry J. Allen, Governor of Kansas. The debate related to the rights of the laborers and that of the state. Tracy was a member of Gov. Allen's honorary committee along with two prominent men who would later make a name for themselves: Col. Theodore Roosevelt & Herbert Hoover.

Tracy's life and family would soon change. One year after the birth of his daughter, Cynthia, on April 4, 1921, he died suddenly in Brooklyn, aged 48. The stricken family laid his body to rest in

Naugatuck. After some years of remorse, Tracy's widow remarried on August 9, 1924 to an old childhood friend, George Restall Jenkinson II, an oil executive and decorated World War I veteran from New York. They moved to Denver, CO and then to Tulsa, OK in 1933. Their connection to Beacon Falls ended.

35 Wolfe Avenue

The house that Tracy Lewis lived during the last few years of his life in Beacon Falls was one of the largest and most elegant in Beacon Falls. Although building records have not been found, physical evidence and written correspondence indicate the house was built or modified around 1916. The same evidence supports Naugatuck architect, F. Alton Clark, as the house's designer at this time. The Landscape plans were drafted by the Olmsted Bros., but whether they were ever implemented cannot be determined.

A physical inspection of the house shows that part of its structure may have been incorporated from an earlier house. Its footprint and stone foundation is similar to neighboring houses which were constructed as boarding houses for the Home Woolen Company prior to 1863. The house's rubble and older foundation walls are usually indicative of pre-20th century construction. However, the above-grade courses of brick on top of these stone walls were common building practice well into the first half of the 20th century. To determine whether this house was constructed from an earlier structure, more structural exploration will have to be performed. Available maps and surveys show two different exterior forms; one appears to be the existing house, the other shows a smaller house on the same site. Further evidence is needed to draw a conclusion about the building's original construction date.

The carriage house at the rear of the property appears to predate the 1916 main house. Maps indicate that the carriage house existed prior to 1916 and was part of a jumble of sheds and accessory buildings. While the other buildings were torn down, the carriage house remained and was altered to become a garage.

The house was built to both entertain guests and provide luxurious accommodations. It was ahead of its time in many respects. The first floor was designed with large open rooms for the most part. The two sets of stairs allowed the servants to move around the house without disturbing the guests. At the rear of the house there was a large kitchen, pantry and separate room for the ice box. The ice box, a Bohn Syphon Refrigerator, was advertised as being made especially for the US Navy during World War I. There is evidence that an ice drop hatch was located adjacent to the driveway. An electric call box located in the kitchen allowed each bedroom instant service. Many of these features also show up in a 1918 design for a house in Naugatuck also designed by architect F. Alton Clark.

Simple elegant ornaments were chosen throughout the house. Each bedroom was serviced by six full bathrooms had their own ceramic tile patterns and colors. There were crown and base moldings, and simple flat door and window casing. The two fireplaces had decorative mantles and ceramic tile surrounds. The main stairway had robust handrails and simple square balusters. Every room and hallway had unique lighting fixtures. The original siding appears to be wood shingles.

The Olmsted Bros. had ambitious plans for Tracy's new home. The original 1916 landscape design shows curving planting areas framed by extensive lawns. Gated paths lead to lawns and drives. The driveway began under the house's porte cochere and curved around back to the sheds and garage.

Over 100 plants were planned for this estate. There is little evidence left to show that any parts of this landscape plan were carried out. The plans were approved by one of the firm's noted designers Percival Gallagher. Correspondence between the architect and Olmsted Bros. indicate that the landscape did not get implemented in 1916. It is possible that the landscape plans were never actualized due to other more pressing issues.

Summary

The Tracy S. Lewis House is a rare and intact example of an early 20th century high-end residence. The house was built by Beacon Falls' most prominent citizen and owner of its leading manufacturing company. Built along a residential street overlooking the mill, the house stands as a reminder of the town's industrial founding and growth. The house was also part of a master plan drawn up by the renowned landscape architects, the Olmsted Bros.

The house is also significant as part of the Olmsted Bros. town plan from 1916. It stands out as one of the more prominent structures in the designed district. Its proportions and style help simulate a pleasing residential neighborhood. The house has a major role in the neighborhood and it contributes to the story of its development.

The house is an excellent candidate for further study and preservation. Preservation of the Tracy S. Lewis House would ensure that the stories of Mr. Lewis' life and his role in Beacon Falls continue for the future generations. The house's many intact architectural details and features are timeless representations of quality design and planning. Although the house may no longer serve as a residential structure, careful and creative planning should be implemented to allow for adaptive reuse.

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Testimony of James W. Woodward, Jr., 11 Wolfe Ave, Beacon Falls, CT

The Tracy Lewis House and Carriage House

35 Wolfe Avenue

Beacon Falls, Connecticut

The Tracy Lewis House:

Existing Conditions:



Site:

The Tracy Lewis House sits nicely on a mostly flat piece of land. It is a mature lot with very little landscape remaining. What is left consists of a few mature trees with planted perennial flowers. The front of the house is in close proximity to Wolfe Avenue, overlooking a green with a gazebo. The front walk is heaved and needs replacing. Due to the grade to floor height and the small frontyard any ADA compliant access would need to utilize the side or rear yard. The Front Entry steps are concrete with brick risers. They are in good condition.

The Front Entry roof is supported by a decorative metal tri-post. These replaced the original columns whose remnants remain. It is recommended to remove the modern metal post and replace with columns matching the original design. For the most part grade is level or slopes slightly away from the residence. As previously mentioned, the existing landscaping around the perimeter of the structure has been removed. The rearyard consists of open area rising slightly to a mature



tree then further to a tree line and a severe slope and drop, down to the street below, with views of the Housatonic River. An old in-ground pool has been filled in but the existing walls and surround remain. These will need to be collapsed and removed.

The sideyard has a Porte-Cochere which is in a deteriorated condition. The columns are failing and have been reinforced with temporary posts. All need to be replaced with new matching columns. Adjacent is a nice open space, which is part of the property, with a mature fir tree. The property is flat and maintained. The tree will be removed to allow expanded use of the parcel.



Exterior Envelope:

Foundation:

The exposed foundation is brick and in good condition. There are spots of mortar needing replacing but the majority is fine. There is no evidence of leaks except for a few pipe holes needing sealing.

Roof:

The main roof is asphalt shingle. It consists of shingles on plywood sheathing. The sheathing is attached thru wood slats to the original 2x6 rafters. It is assumed the slats are leftover from the original wood roof. The spans of the rafters require added support and bracing, with possibly sistering of new rafters, to conform to today's codes. There is no insulation or vapor barrier. There is evidence of leaks inside the building, mostly at the roof valleys and chimneys, though it is not known whether these occurred before or after the new roof installation. New metal edge strips are installed but it is unclear if flashing was installed correctly at walls and chimneys. Both the front entry porch roof and the side porch roof are roll roofing. This roofing has lessened the architectural value of both roofs. The roll roofing should be removed and replaced with new single ply EPDM roofing.

Gutters:

Gutters are aluminum and ogee in design. The downspouts daylight the rain water at grade. The original downspouts ended at cast iron boots which drained the water into the basement and the storm water drainage system. It is recommended to abandon this and that any new gutters drain to a new storm drainage system below grade. The



new gutters should be of period design.

Chimneys:

There are three brick chimneys. The Living Room chimney sits at the rear wall with exposure on three sides. It is corbelled to reduce size with no step covering. This creates exposure and sills which allow water to sit and penetrate into the chimney. Also sealant is required at the joint with the siding. Many brick and mortar joints are missing below the roof line. The chimney portion above the roof line is badly deteriorated to the point of collapse. The condition is causing water damage on the interior. The chimney should be removed and replaced. The second chimney vents the second floor fireplace adjacent to the porch access. There is no visible sign of support for this fireplace and chimney on the first floor or in the basement. The exposed portion of this chimney is missing many bricks and mortar. It too is worn and deteriorated and needs to be removed, replaced or possibly re-supported. The chimney housing the boiler flue appears in better condition but it holds no architecturally aesthetic details or shapes. It is suggested to remove this chimney as well to free up some interior space and design of the exterior. A new boiler can be vented without need of a chimney. In short all chimneys are past their useful life cycle and need to be eliminated or replaced.



Siding:



The existing siding is aluminum with aluminum trim. The original siding was wood shingle with wood trim. This is still evident at points under the aluminum and also revealed at Porches. The aluminum siding should be removed. Since the aluminum siding has been installed for many years it is a safe assumption that all of the original siding and trim will need to be removed. The overhangs also have aluminum covering. The overhangs are ample in size, approximately 22". This provides great shadow lines and shade. Once the covering is

removed the moulding can be returned to original condition.

The columns of the two story addition in the rear need to be replaced. They are heavily rusted and deteriorated. The original rear porch columns are in good shape but with spalling coats of paint. They should be sanded and repainted. As indicated before the columns at the side porch and Porte-Cochere are fully deteriorated and need replacing. Both Side and Rear Porches have aluminum storm/screen units installed. These inserts need to be removed as they are not a part of the original architectural aesthetic.

Windows/Doors:

The windows appear to be the original single pane wood units. Storm windows were added on the exterior. The exterior trim has been covered during the aluminum siding installation. The sashes are not in good shape. All need new puttying, scraping and painting. The windows are hard to operate with 80% not operating at all as their weight and pulley system is broken. The storm/screen windows are hard to operate or do not work at all.



The windows should be replaced or fixed. This can be accomplished in two ways. The first is total replacement of the windows with modern energy efficient units. These can replicate the size, design and trim of the original. With insulating glass there is no need for storm windows. The second option is a procedure from Bi-Glass. The sashes are scraped; gashes and defects filled in and prepped for painting. Bi-Glass reglazes the existing sashes with double paned thermal argon gas filled glass panels, cut the muntins in half and reapplies them to both side of the window in a matching pattern. Then the window is rebalanced and reinstalled.

The front door does not appear original. It is a 6 panel, probably fir, door with plywood panels, stained a dark color. The weather-stripping is inefficient. The sidelights are single pane. The front door and sidelight should be replaced with new energy efficient units matching the style of the original. The rear doors too should be replaced with energy efficient units. The original Porch french doors are in good shape but of single pane. They should be replaced or upgraded by Bi-Glass. All doors need new weather stripping. All jambs filled with spray insulation.

The metal hatchway door to the basement is rusted but appears in decent shape. It needs new sealant surround. Replacement a better option.

Exterior Stair Addition:

This addition houses the second means of egress from the Second and Third floors. The ceiling is plywood with wood floor. The walls are paneled and bowing. The stairs are in good shape but the structural posts are rusting and need replacing. This addition does not mimic the original design detail of the existing house. It should be replaced with a structure complementing the original house.



Interior Conditions:

Basement:

The Basement is under the entire footprint of the building. The basement stair leads from the Kitchen and is not up to today's code requirements. A new location will be required for new stairs. The stairs lead to a finished portion including an open Playroom/Family Room separated by a column line, Powder Room and Laundry. This finished portion has a suspended acoustic ceiling on a grid. The walls are furred out with wood studs and gypsum board finish. The columns are also furred and finished. The entire finished area is infested with mold, requiring removal and remediation.



All finishes should all be removed and discarded. The dampness is probably caused by moisture penetrating the rubble stone foundation walls and the lack of a dehumidifying system. The foundation wall is solid brick above grade and solid stone below grade. A de-humidifying system will need to be installed and it is recommended that a spray-on rubberized waterproofing be installed on the exterior of the stone portion of the foundation.

The remainder of the Basement is unfinished and divided into two areas. One area is used for storage and contains the hatchway. The other area houses the mechanical equipment. These areas are also damp and need remediation. There is no insulation at the walls or floor above. Above the boiler there is also a large grille opening directly to the Pantry area above. This will have to be removed.

First Floor:

The Main floor of the house has a formal entrance off Wolfe Avenue. The entry Porch provides a small roofed entry to the house. The Foyer is wide and open, providing a handsome entrance to the House. Standing in the Foyer provides an open view of almost the entire First Floor. Sight line is to the rear through the Living Room french doors and Rear Hall, to the Side Porch down the short hall through french doors and to the adjacent Dining Room. The staircase is 38" wide, with 1 1/4" square pine balusters spaced with three per tread. The entire stair system is stained a dark color as is all the moulding. The treads and risers are sufficient for today's building code but the railing height does not conform. Replacement of the railing is required. The walls



throughout are plaster with many cracks. The ceiling has a popcorn finish, possibly to hide the plaster cracks. Ceiling moulding is a three inch flat trim, possibly added after ceiling covering. The floor is carpet over original strip oak sloping toward the center of the house. The base trim is 1"x 7" flat. Casings are 1"x 5" flat with 6" wide head trim at doors and windows. In general, the trim design is simple, mostly flat, stained a dark color. This style is continued throughout the house.

Throughout the First Floor the walls and ceilings are badly cracked in need of removal. The amount of cracking probably indicates a structural support issue near the center of the house. It is recommended to remove all the plaster from the walls and ceilings, correct the structural issues and install new gypsum board finish.

The Living Room is carpeted with 2 5/8" crown moulding at the ceiling. The mantel is of simple vintage design with window seats at each side.



Living Room fireplace mantel



The Dining Room ceiling is badly damaged showing water damage. The walls and strip oak floor are also water damaged indicating a severe water leak at one time. There is no further evidence of more recent leaks. The floor slopes toward the Kitchen.

The Butler's Pantry has replacement cabinets not architecturally aesthetic to the original. These need replacing, depending upon the future use. As indicated before the large floor grille needs to be removed. The floor is sheet vinyl.

The Kitchen too has replacement, non-descript cabinets that should be replaced. The floor is sheet vinyl. It opens to a rear covered porch. Off the porch is the original "ice box" still housing the original unit.

The Rear Hall leads to a small Powder Room, the only one on this floor and also to the Rear Porch. The Powder Room is too small for public use as it is tucked under the rear stairs.

The Rear Stairs lead to the Upper Floors, are 35" wide with proper riser and tread dimensions. It cannot be used as an egress stair due to its width, railing and lack of fire rated enclosure.

The First Floor does not have the ADA compliant accessibility. There is no ramp to the entrances nor is there enough turning and approach space. The Powder Room also does not comply.

Second Floor:

The formal access to the Second Floor is the front staircase. A second stair, at the rear, also provides access. The Exterior Stair Addition also provides access. The formal stair is in good shape but the railing is low and needs replacement. The balusters and railing match the First Floor detail. Since this stair is not enclosed with a fire rated enclosure, it does not meet the requirements as a means of access.



The Second Floor consists of five bedrooms and four baths. They are all in generally the same shape. Similar to the First Floor, the walls and ceilings are cracked and should be replaced. The floors are the typical strip oak, sloping also to the center of the house.

The Baths have ceramic tile floors as well as some wainscot. All plaster is in bad shape and should be replaced with new moisture-resistant or cementitious backing panels for new tile. The fixtures appear original with newer fittings. These fixtures will need replacing to adhere to today's codes.



There is a small fireplace with no visible means of support. It may be supported by the First Floor wall below. The Porch itself has roll roofing floor with aluminum window enclosure. These are not in keeping with the architectural time line and need to be removed. The ceiling indicates water damage, probably due to original roof.



The front Bedroom has a ceiling of acoustic panels on wood furring. The original ceiling under is badly cracked. The rear bedroom has textured ceiling finish presumable to hide the ceiling cracks.

The Second Floor is not ADA accessible nor is the exiting sufficient for egress.

Third Floor:

This floor is accessed from the interior by the rear stairs only. It is 34" wide with acceptable rise/tread ratio. Railing at floor will need replacement as it is too low. The floor is also accessed from the Exterior Stair Addition.



The entire floor was used as an apartment. It consists of a Kitchen area, four bedrooms and one Bath. All walls and ceilings are cracked and need replacement. There is water damage on the ceiling, mostly at the roof valleys. This is presumably from the original roof.

The Third Floor is not ADA accessible nor is the exiting sufficient for egress.

Attic:

The attic is accessed through a panel in the closet ceiling of the front bedroom. The area is open, approximately 6' high. The roof structure is exposed indicating 2x6 rafters supporting wood furring, from original wood roof, plywood sheathing and new asphalt shingles. The ridge beam is one piece of decking, typical of a house this age. The ceiling joists are 2x6. The attic is filled with construction debris from the roof replacement project. There is no attic insulation.



Energy Efficiency:

All exposed structure indicates there is no insulation in the walls or the attic. The windows are inefficient with air leaks all around. The doors and sidelights are also inefficient with air gaps.

The windows should be replaced with new energy efficient models or by the BI-Glass system. Insulating glass and tight jambs with insulation sprayed into the jamb space will boost the energy savings. The doors can be replaced with denser units with tight weather-stripping systems. Storm doors can be added if required, possibly full glass units to match the architectural aesthetic.

While the plaster walls are removed and the stud work is exposed insulation should be installed. This can consist of R-15 Batt insulation or a Sprayed-In cellulose. The attic too can receive the similar insulation but with a higher value of R-38. All fireplaces not to be used can be closed off with a flue air seal to keep air from entering the fireplace and lost up the flue.

Evaluations and Recommendations:

The broad goal of this project would be the upgrading of the existing building, as much as possible, to today's functional and energy performance standards as well as building codes. This would be accomplished without destroying the buildings integrity and character. The building would change use to a public nature, accommodating a larger audience. This use can be fully coordinated with any new structures on the site. We recommend the following:

- 1) Remove Aluminum Siding. Assume removal of all the original siding, including all trim, casing and moulding.
- 2) The asphalt roofing is new therefore can remain, with the exception of the roll roofing. New EPDM roofing to be installed on the Front Entry, Porte-Cochere and Porch roof.
- 3) Remove Porte-Cochere and Side Porch structure. Replace with new Porch on a new foundation and new Porte-Cochere with columns.
- 4) Excavate around the perimeter of the entire foundation and repair as required. Install new waterproofing on foundation. Add underground drainage system and connect all downspouts.
- 5) Remove all three chimneys. Replace only Living Room chimney.
- 6) All existing windows and doors should be either replaced or retrofitted by Bi-Glass. The existing openings can be reused. If new windows, they will make the existing architecturally muntin design as well as trim design. They will also be energy



efficient. The front door unit should be removed and replaced with an architectural accurate design and energy efficient. Same for all doors.

- 7) Remove existing aluminum Porch window system. Leave openings empty to match original appearance.
- 8) All plaster finish on the walls and ceiling will be removed. Install new gypsum board with faux plaster finish.
- 9) New insulation will be installed in all walls, the Attic and Basement.
- 10) All new mouldings and trim, of original building design and period will now be installed.
- 11) A new stair, enclosed in a fire rated enclosure, to be constructed on the side off the building. This allows for the needed mean of egress and allows the existing main decorative stair to remain.
- 12) Entire Basement needs mold remediation.
- 13) ADA compliant access to the first floor will be constructed. Provide a new exterior ramp to allow access.
- 14) ADA compliant access throughout the First Floor will be created. Walls will be removed and the floor re-designed for its new use.
- 15) All new heating, air conditioning, plumbing, and electric systems will be installed to replace existing. Refer to Mechanical Engineer's report.
- 16) Structural improvements will be made. Refer to Structural Engineer's report.

Conclusion:

The recommendations listed previously would allow re-use of the house for modern municipal purposes. It would be energy efficient, ADA accessible, and code compliant. It would also restore The Tracy Lewis House to its historic integrity and character.



The Carriage House:

Existing Conditions:

Site



The Carriage House is a gambrel structure with three dormers. It sits in the rear of the property on a mostly flat portion. It is surrounded by overgrown scrub brush and mature trees. The drive leading to the overhead doors pitches slightly back toward the building. The surrounding grade pitches slightly from the building. Entrance to the structure is through an on-grade swinging door and two overhead doors.

Exterior Envelope:

Foundation:

The foundation is concrete, barely exposed sitting only a few inches above grade. It has some parge cracking needing repair.

Roof

The roof is an asphalt shingle roof, stained and in need of replacement. It is installed on new plywood sheathing on existing furring to 2x5 rafters.

Gutters:

The existing gutters are aluminum, ogee in design. Downspout sections are missing; what remain daylight at grade. A new gutter system needs to be installed to match the new system at the Main House.

Siding:



The siding is wood shingles. Most of the siding is beyond its life cycle with a large portion of the siding gone. The remaining siding does come in contact with the ground causing water and pest damage. All siding and sheathing needs to be replaced. The majority of trim moulding is also rotted and in need of replacement. One exterior wall is bowed. This needs to be corrected. There are numerous holes in the

siding which would be remedied by replacement of the siding and sheathing.

Windows/Doors:

The windows are either missing or are beyond repair. All windows should be replaced with new energy efficient argon gas insulating glass units. The overhead doors should be replaced with new doors matching an architectural “Carriage House” design. The adjacent swinging door should be replaced with matching design.

Interior Conditions:

Lower Level:

The Lower Level is presently used as a garage for storing Town equipment. The existing floor is slab on grade pitched toward a drain. The slab is cracked and should be removed and replaced with an insulated



reinforced concrete slab. There is no interior wall finish and insulation. Overhead door tracks were installed by cutting into the header beam. This beam needs to be replaced. The floor construction above is open as there is no ceiling finish. Fire rated gypsum board and insulation is required. The main support beam runs side to side and is bowing in the middle. Posting or replacement is



recommended. The stair to the upper level is small with no rail and runs directly from the slab to the floor above. It is not steady and needs to be replaced. There is no mechanical system.

Upper Level:

The Upper Level is accessed from the stair described previously with no guard rail. The entire level has no finishes and no insulation. The floor slopes noticeably to the center corresponding with the beam note previous. The upper level has no mechanical system installed.



Energy Efficiency:

There is no insulation in the existing building. New batt or blown insulation should be installed in the walls (R-15 min) and roof (R-38). The windows and doors should be replaced with efficient insulating type.

Evaluations and Recommendations:

The following includes our recommendations for the re-use of the building:

- 1) Remove all roofing and sheathing. Replace with new architectural series asphalt shingles on felt/ice shield and new plywood sheathing.
- 2) Remove all siding and sheathing. Replace with siding, house wrap and plywood sheathing.
- 3) Remove all remaining windows and doors. Replace with new energy efficient units including period design overhead doors.
- 4) Provide new structural framing. Refer to the Structural Engineer's report.
- 5) Provide completely new mechanical, plumbing and electric systems. Refer to Mechanical Engineer report.
- 6) Remove existing concrete slab and provide new.
- 7) Provide new insulation in the walls, roof and Upper Level floor.
- 8) Install new gypsum board finish, including fire rated gypsum board ceiling finish at the Lower Level.
- 9) Provide all new period trim and moulding.
- 10) Install new gutters and downspout system.

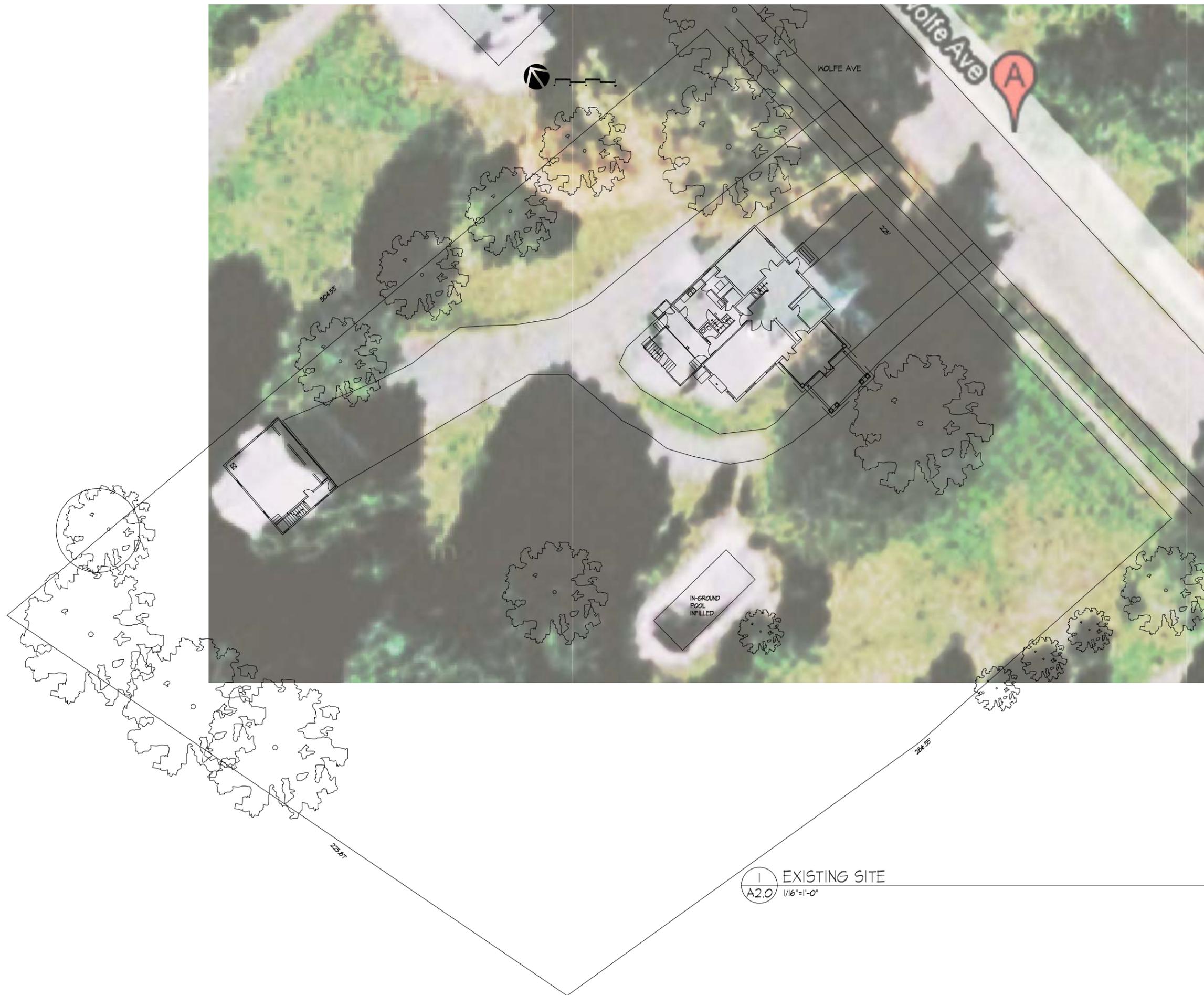
Conclusion:

The Carriage House is in critical need of all the items listed above. It has deteriorated greatly over the years. It is structurally suspect with no mechanical system. The real possibility exists that the only portion saved would be the foundation. But since it is unseen that cannot be

determined.

It is our professional opinion, after reviewing the amount of replacement needed, the cost to reconstruct would be prohibitive. Therefore we do not recommend renovating for reuse the Carriage House.





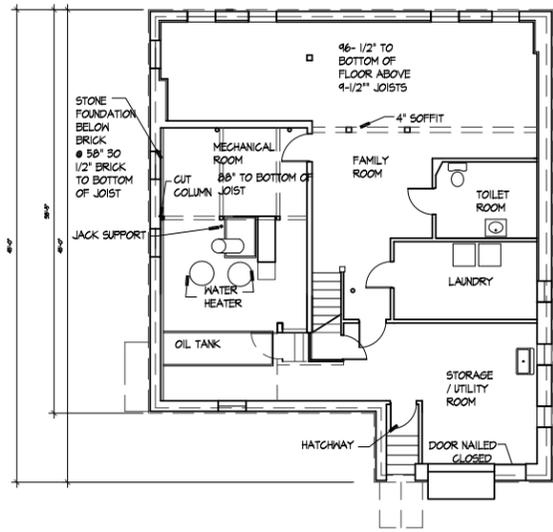
1 EXISTING SITE
A2.0 1/16"=1'-0"

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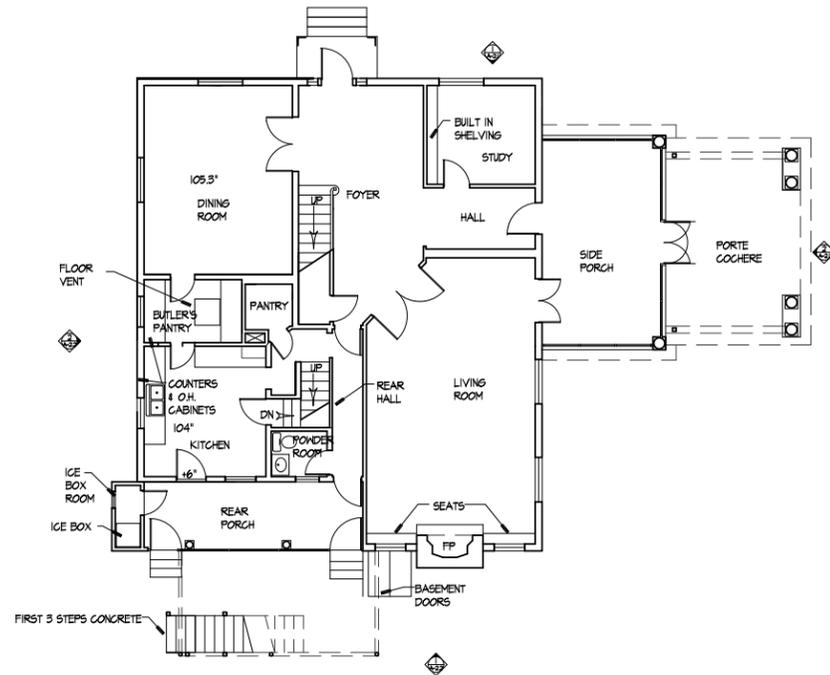
**TRACY LEWIS HOUSE &
CARRIAGE HOUSE
34-37 WOLFE AVE, BEACON FALLS CT**

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| EXISTING SITE PLANS | SCALE: 1/16"=1'-0" | DRAWN BY: | A-2.0 |
| | DATE: 04/28/10 | | |



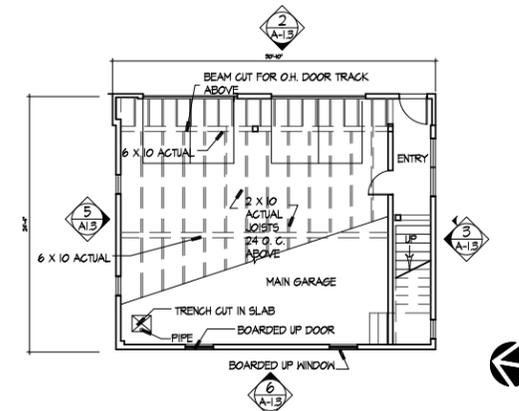
1 EXISTING BASEMENT FLOOR PLAN
A-1.1 1/8"=1'-0"

BASEMENT: 1510 SF.



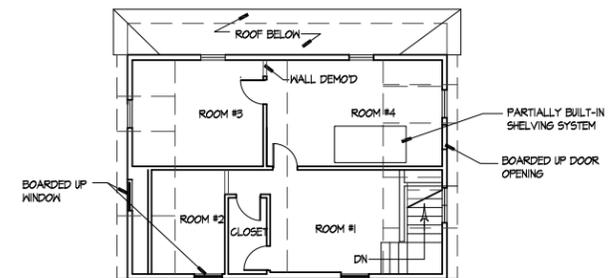
2 EXISTING FIRST FLOOR PLAN
A-1.1 1/8"=1'-0"

FIRST FLOOR: 1540 SF
(EXCLUDING PORCHES)

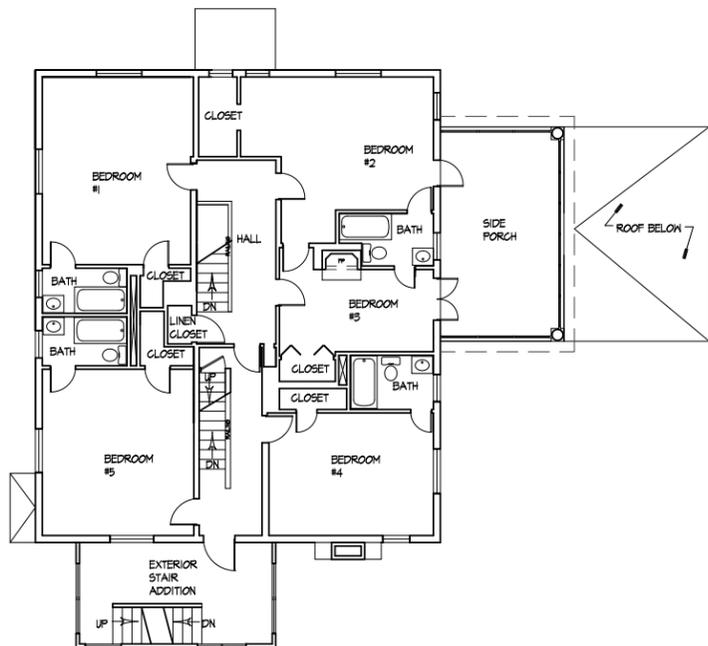


5 EXISTING LOWER LEVEL - CARRIAGE HOUSE
A-1.1 1/8"=1'-0"

LOWER LEVEL: 50. FT. FOOT PRINT = 143

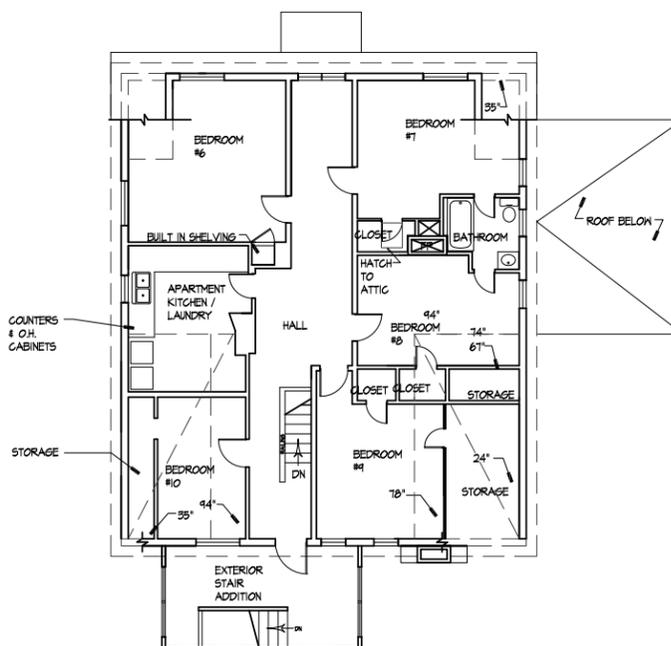


6 EXISTING UPPER LEVEL - CARRIAGE HOUSE
A-1.1 1/8"=1'-0"



3 EXISTING SECOND FLOOR PLAN
A-1.2 1/8"=1'-0"

SECOND FLOOR: 1740 SF.
(EXCLUDING PORCHES)



4 EXISTING THIRD FLOOR PLAN
A-1.2 1/8"=1'-0"

THIRD FLOOR: 1740 SF.
(EXCLUDING PORCHES)

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**TRACY LEWIS HOUSE &
CARRIAGE HOUSE**
34-37 WOLFE AVE, BEACON FALLS CT

EXISTING PLANS
SCALE: 1/8"=1'-0" DRAWN BY: **A-11**
DATE: 04/28/10



1 EXISTING FRONT ELEVATION
A-2.1 1/4"=1'-0"



2 EXISTING SIDE ELEVATION
A-2.1 1/4"=1'-0"

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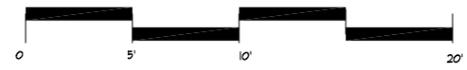
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**TRACY LEWIS HOUSE &
CARRIAGE HOUSE**
34-37 WOLFE AVE, BEACON FALLS CT

EXISTING MAIN HOUSE
FRONT & SIDE ELEVATIONS

SCALE: 1/4"=1'-0"
DATE: 04/15/10

DRAWN BY: A-2.1



F:\PROJ\2009\0463 TRACY LEWIS HOUSE\DWG\TRACY LEWIS.DWG 4/12/10 11:51 PM Model RSK



1 EXISTING REAR ELEVATION
A-2.2 1/4"=1'-0"



2 EXISTING SIDE ELEVATION
A-2.2 1/4"=1'-0"

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**TRACY LEWIS HOUSE &
CARRIAGE HOUSE**
34-37 WOLFE AVE, BEACON FALLS CT

EXISTING MAIN HOUSE
SIDE & FRONT ELEVATIONS

SCALE: 1/4"=1'-0" DRAWN BY: **A-2.2**
DATE: 04/15/10

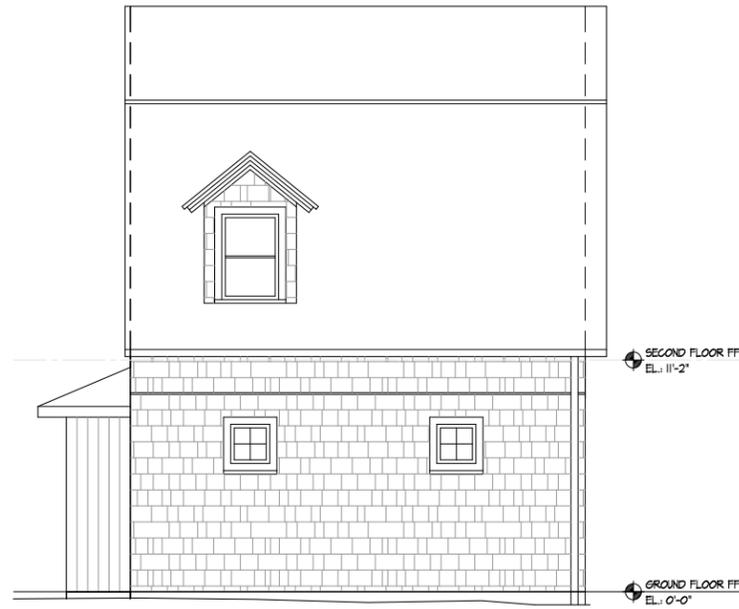




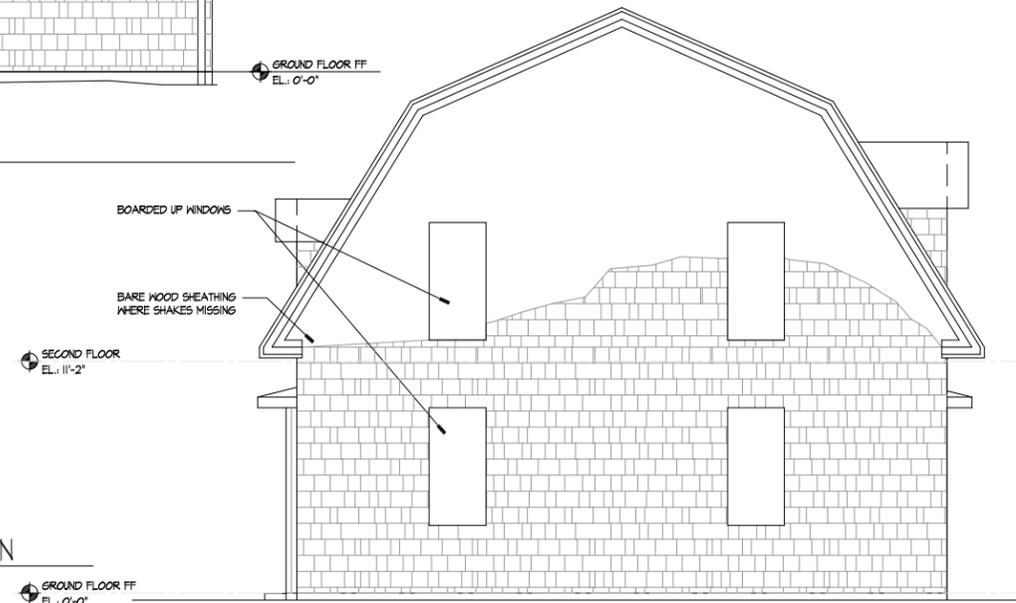
2 EXISTING FRONT ELEVATION
A-1.3 1/4"=1'-0"



3 EXISTING SIDE ELEVATION
A-1.3 1/4"=1'-0"



5 EXISTING SIDE ELEVATION
A-1.3 1/4"=1'-0"



6 EXISTING REAR ELEVATION
A-1.3 1/4"=1'-0"



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PLANS & ELEVATIONS
CARRIAGE HOUSE
34-37 WOLFE AVE, BEACON FALLS CT

EXISTING CARRIAGE HOUSE
PLANS & ELEVATIONS

SCALE: 1/4"=1'-0" DATE: 04/13/10

DRAWN BY: **A-1.3**

Tracy Lewis House
Conceptual Reuse Study

I. Introduction

The Town of Beacon Falls has considered various public uses for the Tracy Lewis site, including a new Public Library, a Community Center, Town Offices/Meeting Rooms, a History Museum, a Teen Center, etc. The potential use which appears to have gained the most support is for a new Public Library which could incorporate many of the other desired community functions described above. Towards that end, a Town Library Committee has fostered the development of detailed space program for a new 19,000 sf Library, which will also “serve the residents as a community center, a learning place for children and a source of lifelong learning and popular materials for all residents.”

Since a potential new Library could encompass many of the desired uses for this site identified by the Tracy Lewis Committee, the Architect has focused on examining the feasibility of a Library use for the purpose of this study. Two options were examined:

A. Scheme A: Incorporate Existing House into new Library use.

1. Phase A-1: Renovate existing house to allow short term municipal use and long term incorporation into new Library.
2. Phase A-2: Build 16,000 sf. Library addition, incorporating 3,000 sf. in existing house for library use.

B. Scheme B: Demolish Existing House & construct new 19,000 sf Library.

II. Library Space Program

The Beacon Falls Library space program proposes a 19,000 sf building with most of the space to be located on the first floor. The new 34,000 sf. Southbury, CT Public Library was proposed by the Tracy Lewis Committee as an example of the layout the new Town Library should emulate. Therefore, the Architect visited the Southbury facility and studied drawings and descriptions available on the internet as a basis for the new library layout.

The basic arrangement of the Southbury Library is a 1-½ story building with the following division of basic uses between the first and second floor, which contain approximately 20,000 sf. and 14,000 sf, respectively.

A. First Floor Functions

1. Main Circulation Desk
2. Adult Area
3. Reference Area
4. Meeting Rooms
5. Staff Areas

B. Second Floor Functions

1. Children's Area
2. Young Adult Area

The assumed layout for the proposed 19,000 sf Beacon Falls Library includes the same breakdown of sf area and uses, although scaled down proportionally.

C. Tracy Lewis House Potential Library Uses

According to the Beacon Falls Library space program, those areas which could be easily separated off from the main library space are the following:

1. Local History "Quiet" Room
2. Staff Areas
3. Small Meeting Rooms

The renovation of the Tracy Lewis House was therefore planned to accommodate these uses.

III. Library Design Alternatives

The design alternates to accomplish the goals described above are explained in the following:

A. Scheme A (Utilize Tracy Lewis House)

1. Design Approach

The existing functional, hazardous material and code-related issues described in the previous building analysis led to the conclusion that a gut rehabilitation/renovation of the Tracy Lewis House would be necessary to allow the building to function as a public facility.

The proposed renovation scheme, in outline, would include the following:

a. Phase I:

1. Maintain the majority of first floor historic spaces and program the rooms therein for municipal use.
 - a. Living Room: Local history "Quiet" Room
 - b. Dining Room: Meeting Room (10 persons)
 - c. Foyer & Stair Hall: Entry and circulation space
 - d. Front Room: Small Meeting Room

2. Reconfigure 2nd & 3rd floors as required to provide programmed Library staff areas in the future and Town offices/Meeting Rooms in the short term.
3. Remove non-code conforming rear stairs and replace with new code compliant egress stair in small addition.
4. Strip all aluminum siding and trim and restore exterior to historic appearance
5. Maintain rear stair addition as 2nd means of egress on a temporary basis.
6. Provide complete handicapped accessibility throughout first floor, including new HC accessible men's and women's lavatories. Assume large and small meeting rooms on first floor could temporarily accommodate handicapped visitors for upper level functions in Phase 1.
7. Save antique "ice box" as historic feature and provide hallway access.
8. Plan for connection to new library addition to include location for a skip/stop elevator and stairway which could provide access to all levels of both new facility and existing Tracy Lewis House.
9. Provide temporary outside handicapped ramp to provide access to first floor of existing house.

The result of Phase I would be the preservation, restoration and enhancement of the historic character of the Tracy Lewis House, while, at the same time, transforming the house into a useful municipal facility and planning for its eventual incorporation into a new Library for the Town of Beacon Falls.

B. Scheme A (Phase 2)

During this phase, portions of the existing house would be modified as follows to allow incorporation into a new 16,000 sf. Library addition:

1. Remove existing outside egress stair
2. Remove temporary handicapped ramp
3. Construct new library addition with two-sided elevator and new convenience stair located at the interface between old and new, in order to provide handicapped access to all levels of both structures.

C. Site Considerations

The site layout for Scheme A (Phase 2), including the new library addition, provides the following:

1. The Tracy Lewis House's historic site placement and most historically significant east and south elevations (with porte-cochere) are maintained.
2. The main entrance to the new Library is clearly visible from Wolfe Avenue.
3. Pedestrian access to the new Library passes through the historic Tracy Lewis porte-cochere.
4. The new Library addition has its own presence on the site, due to its prominent placement and its small connection to the existing building.
5. The new second floor of the Library will have extensive scenic views: east towards the Beacon Falls Town Green and west down the slope towards the former Rubber Shoe Factory and the remainder of the Beacon Falls commercial district.
6. A clearly defined one-way vehicular circulation system is provided, with a separate drop-off driveway loop at the Library main entrance.
7. 55 parking spaces are provided.
8. Nearly all of the historic site's mature trees are saved and made into site features.

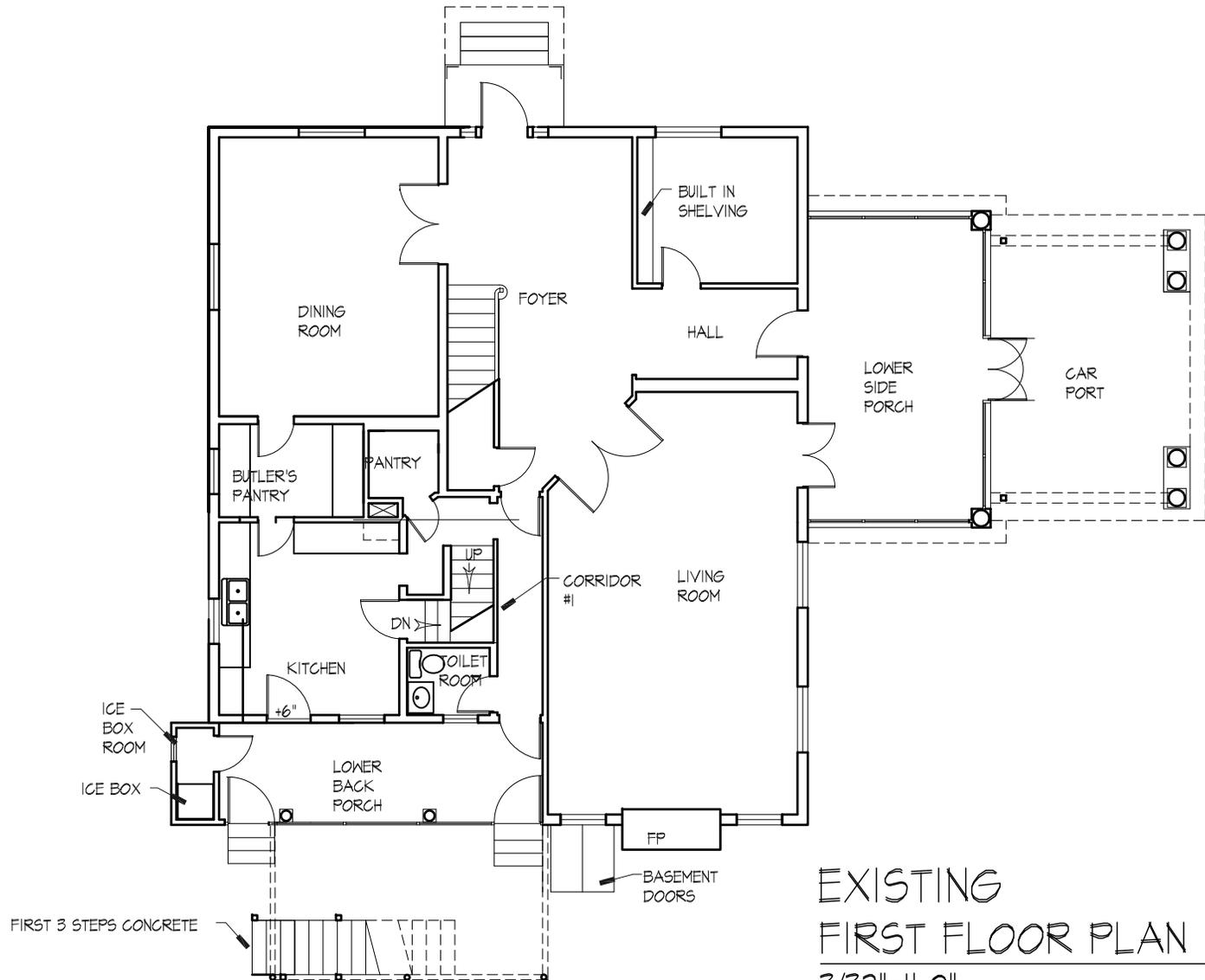
D. Scheme B (New Independent Library Building)

This scheme shows a new free-standing Library on a completely cleared site.

1. The building configuration is similar to the Southbury Library, but scaled down to the proposed 19,000 sf.
2. A large drop-off loop is provided at the front door.
3. 52 parking spaces are provided.
4. Scenic Second Floor Town views, similar to Scheme A, are provided.

IV. Conclusions

Our study has shown that a new Town Library facility is feasible on this site under both scenarios: 1.) Keeping and improving the Tracy Lewis House or 2.) Demolishing the Tracy Lewis House. Considering the importance of the existing house to the Town's history, we recommend the former approach.



EXISTING
 FIRST FLOOR PLAN
 3/32"=1'-0"

◇ TRACY LEWIS HOUSE ◇

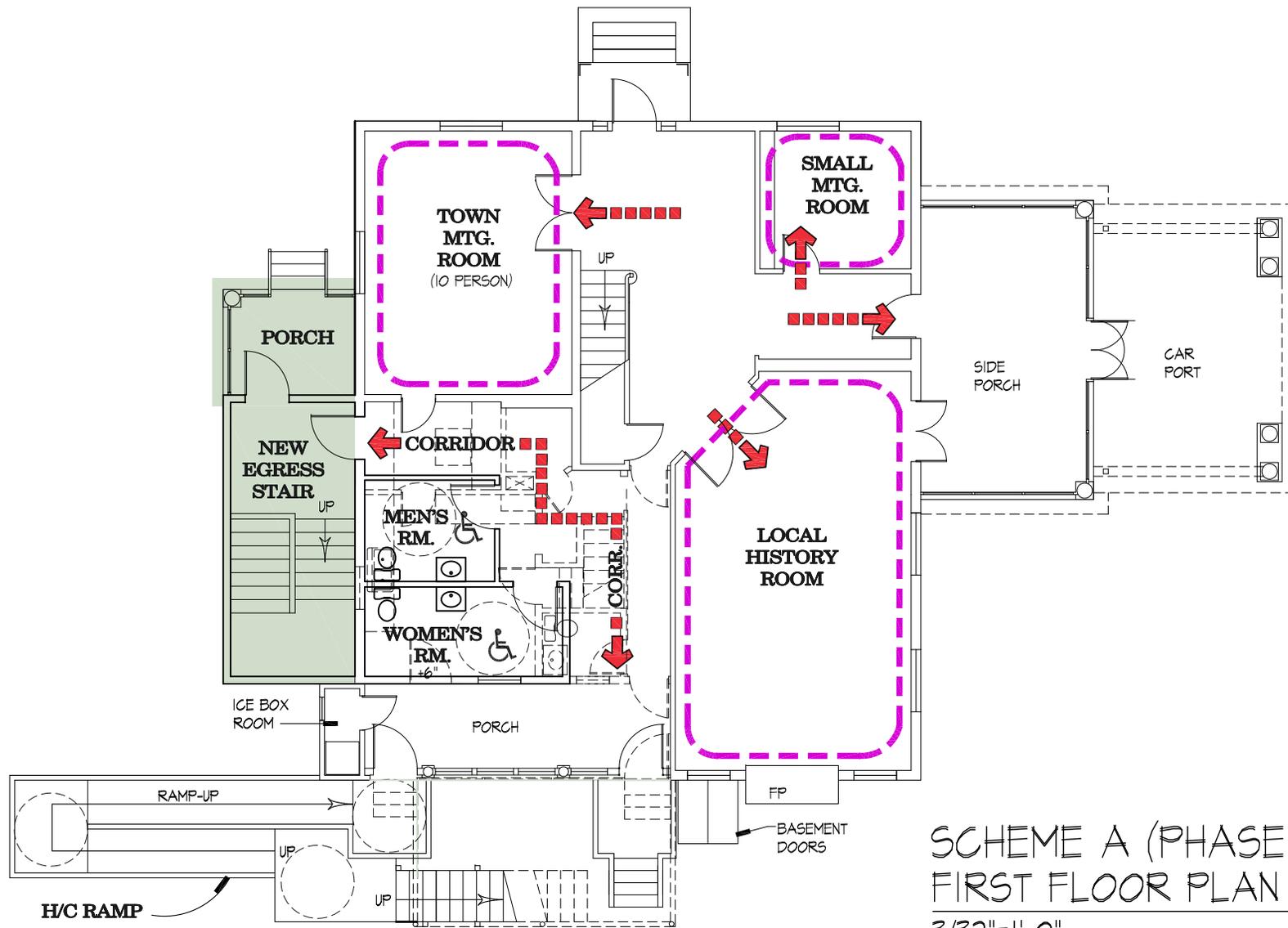
BEACON FALLS, CONNECTICUT

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SCHEME A (PHASE 1)
 FIRST FLOOR PLAN
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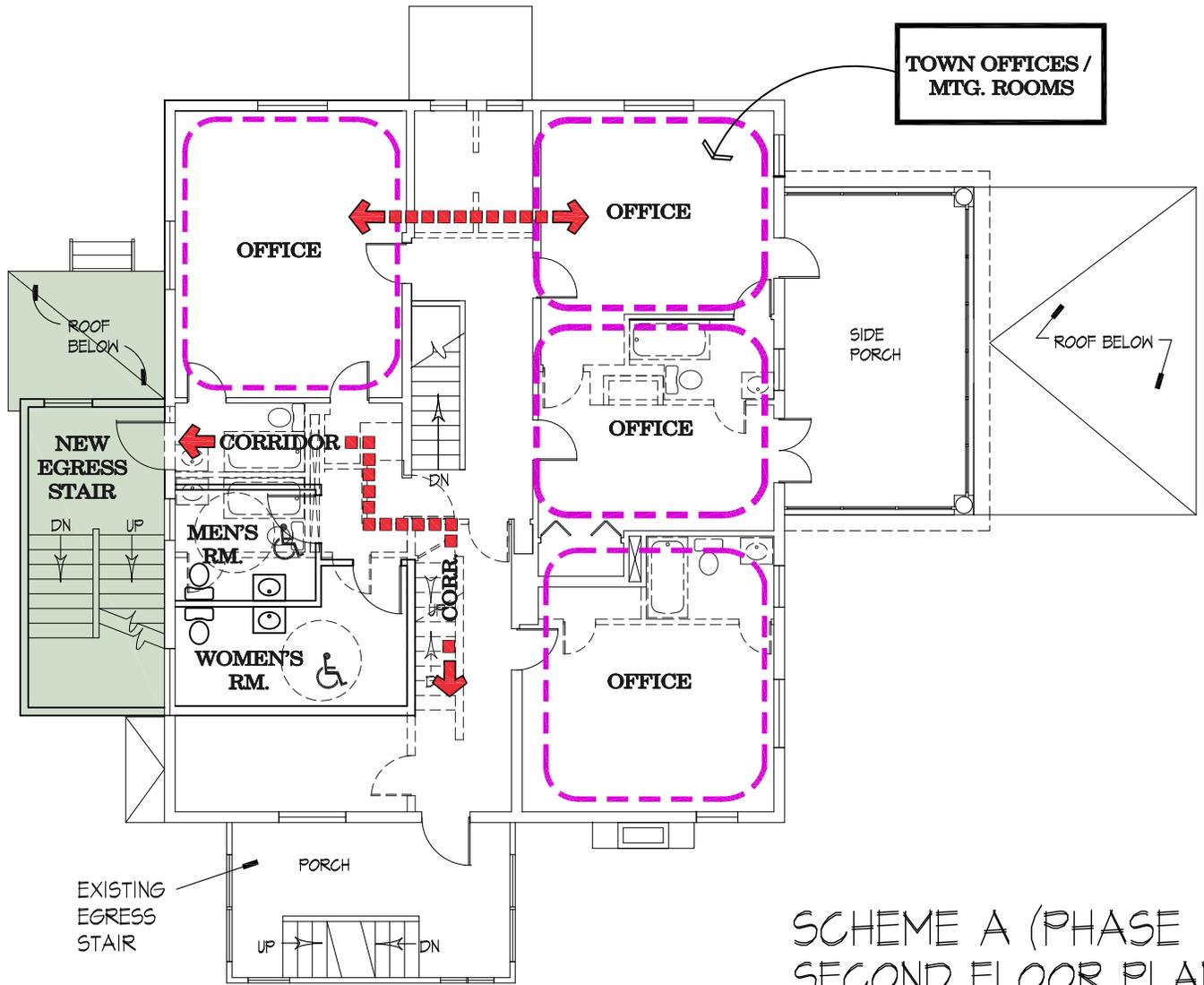
◇ TRACY LEWIS HOUSE ◇

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SCHEME A (PHASE I)
 SECOND FLOOR PLAN
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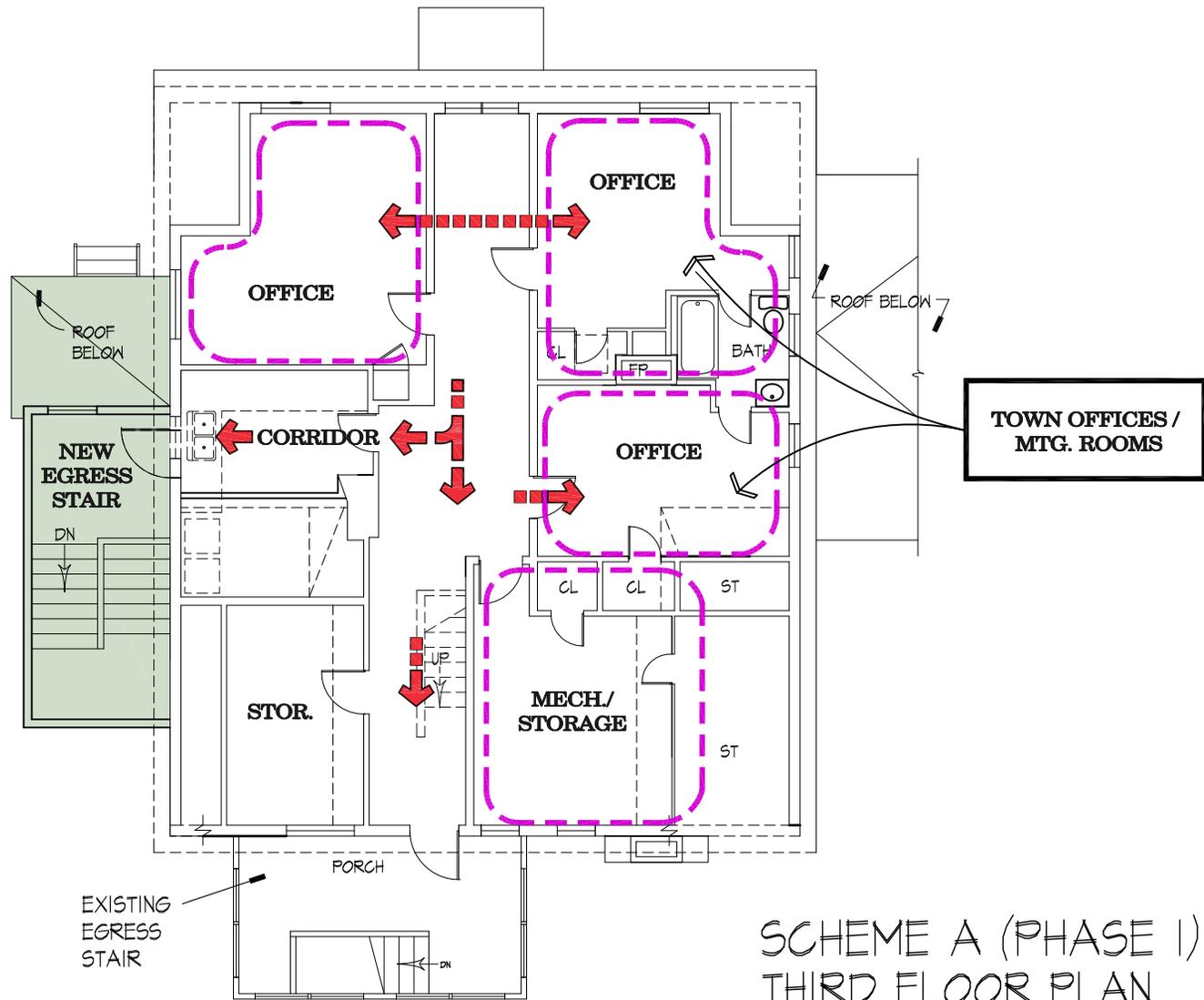
◇ TRACY LEWIS HOUSE ◇

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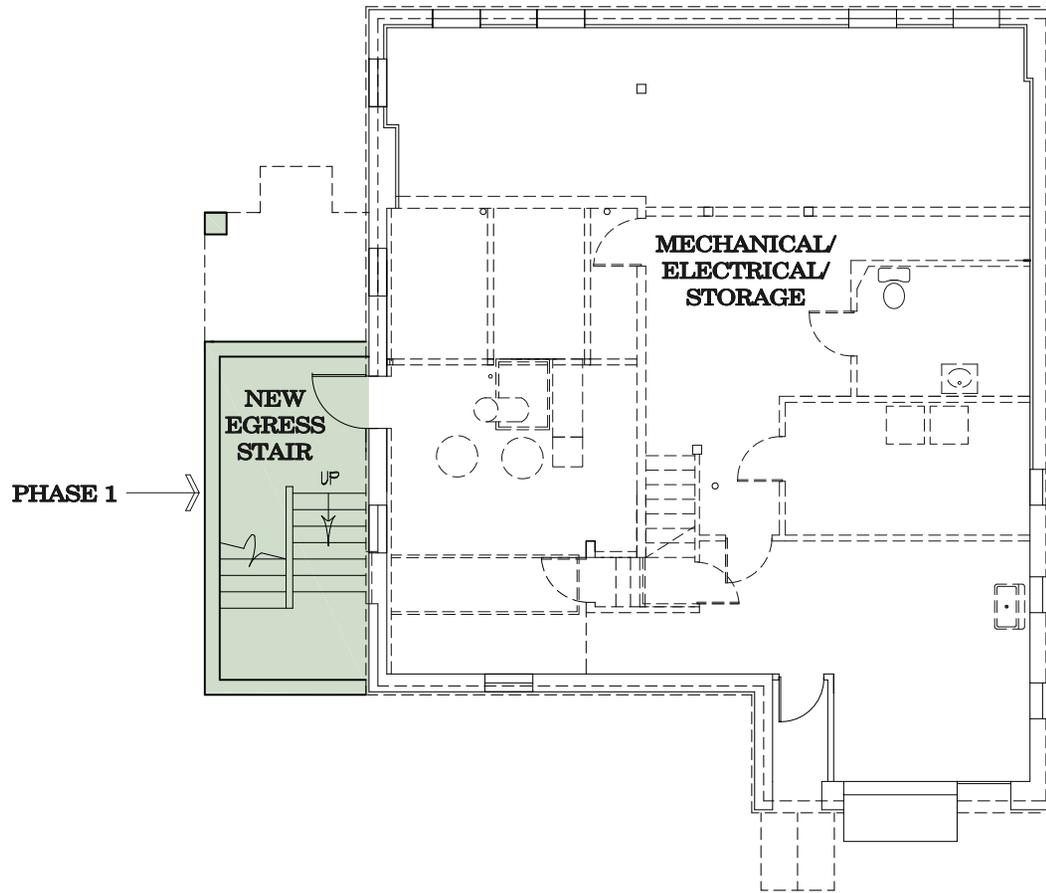


SCHEME A (PHASE I)
 THIRD FLOOR PLAN
 3/32" = 1'-0"

◇ T R A C Y L E W I S H O U S E ◇

B E A C O N F A L L S , C O N N E C T I C U T





SCHEME A (PHASE 1)
 BASEMENT PLAN
 3/32"=1'-0"

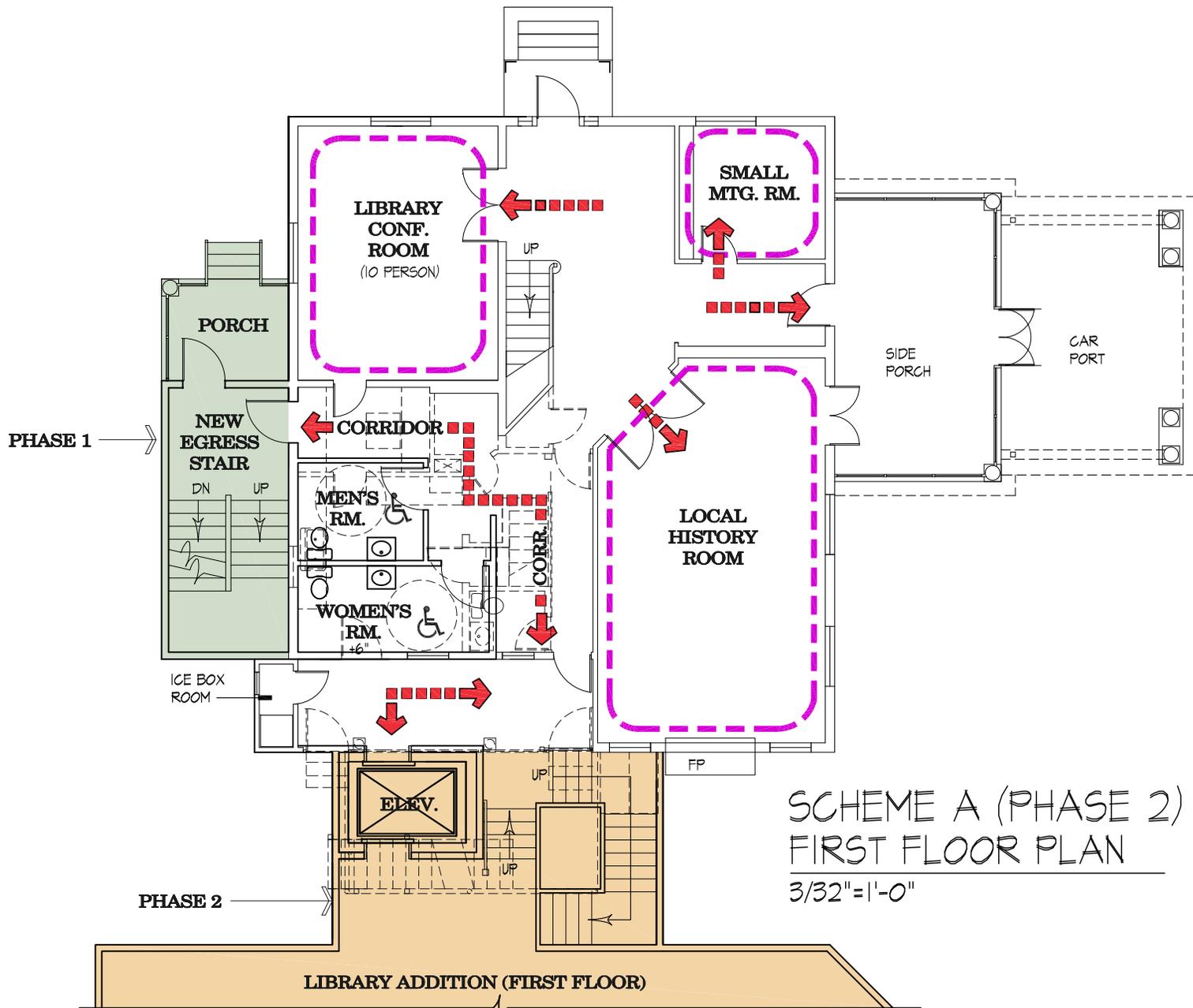
◇ T R A C Y L E W I S H O U S E ◇

B E A C O N F A L L S , C O N N E C T I C U T

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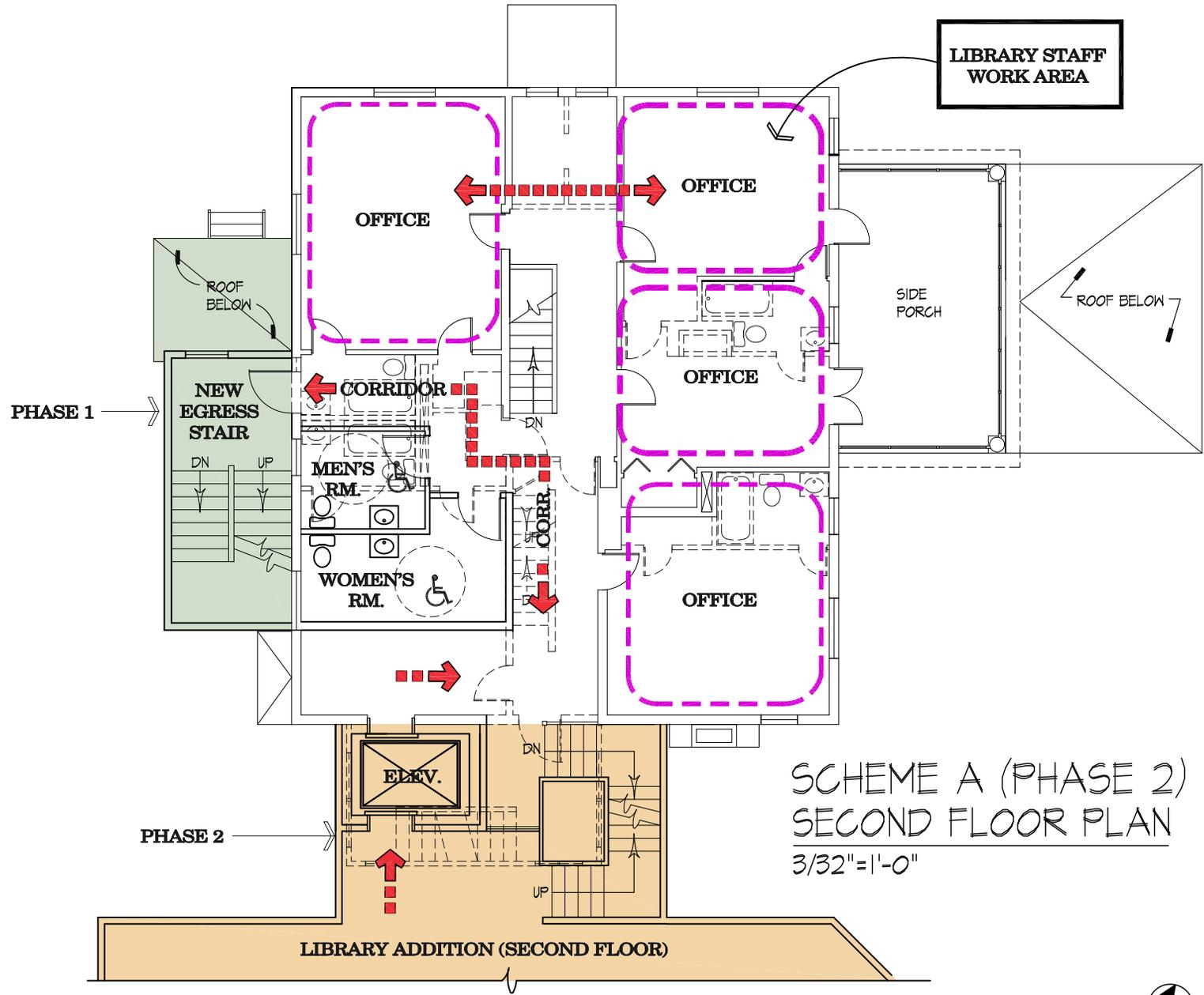
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SCHEME A (PHASE 2)
 FIRST FLOOR PLAN
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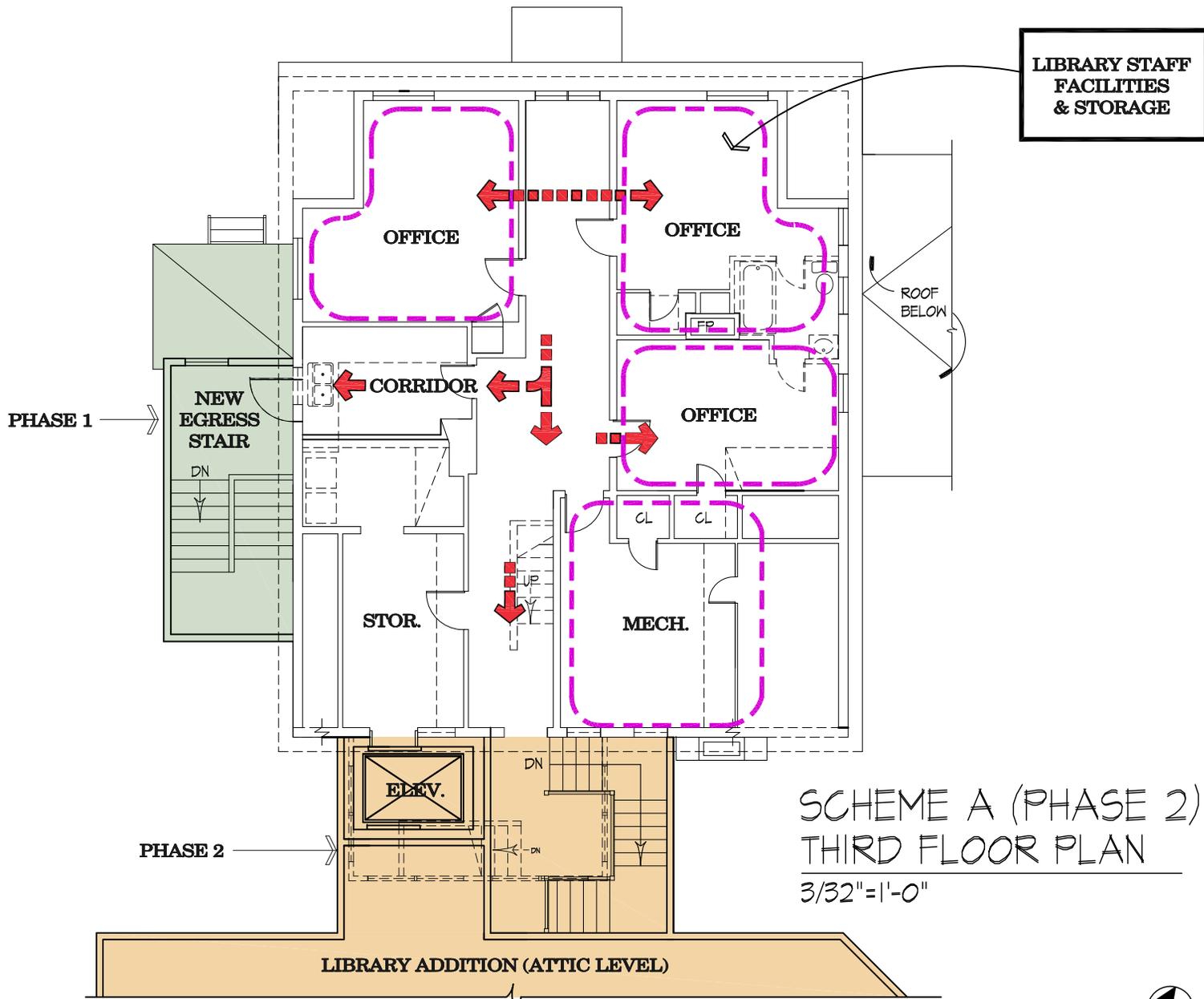
◇ TRACY LEWIS HOUSE ◇
 BEACON FALLS, CONNECTICUT



◇ T R A C Y L E W I S H O U S E ◇

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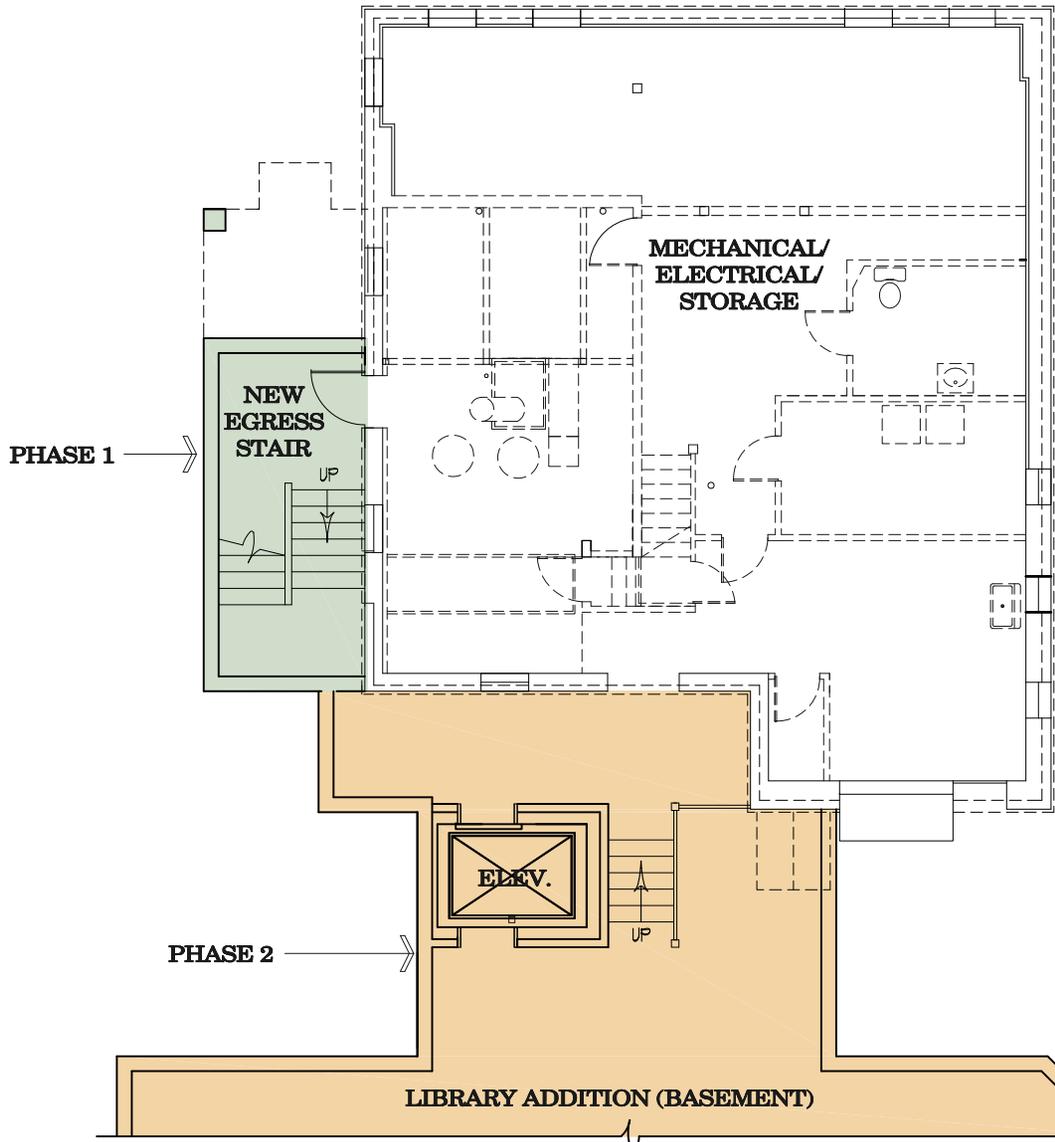




SCHEME A (PHASE 2)
THIRD FLOOR PLAN
3/32" = 1'-0"

◇ T R A C Y L E W I S H O U S E ◇

B E A C O N F A L L S , C O N N E C T I C U T



SCHEME A (PHASE 2)
 BASEMENT PLAN
 3/32"=1'-0"

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 B E A C O N F A L L S , C O N N E C T I C U T

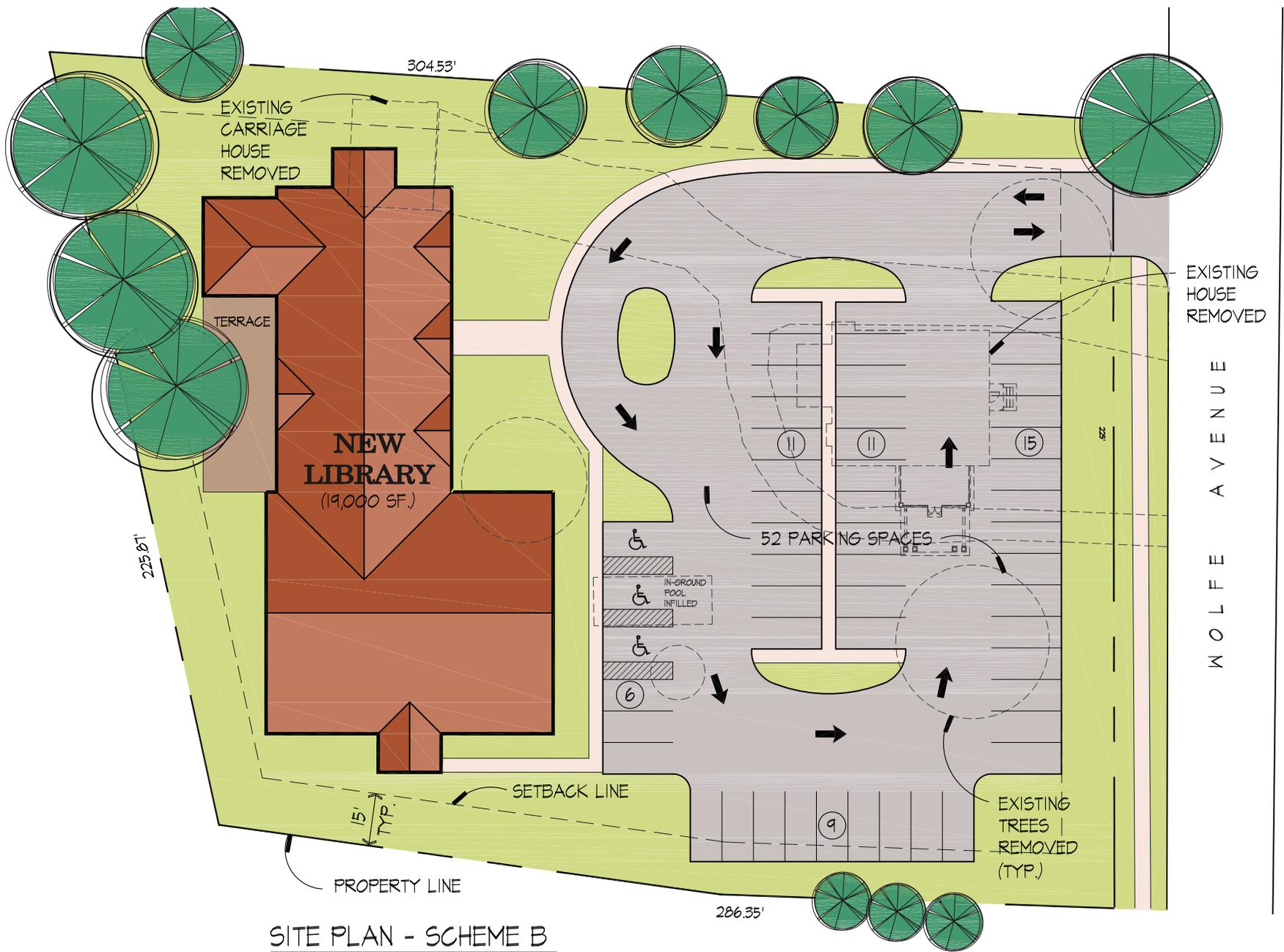




SITE PLAN - SCHEME A (PHASE 2)

◇ T R A C Y L E W I S H O U S E ◇

B E A C O N F A L L S , C O N N E C T I C U T



SITE PLAN - SCHEME B

◇ TRACY LEWIS HOUSE ◇

BEACON FALLS, CONNECTICUT

The Tracy Lewis House and Carriage House

35 Wolfe Avenue
Beacon Falls, Connecticut

Assessment of Existing Structural Conditions



Submitted by:

JAMES K. GRANT ASSOCIATES

30 Depot Street, P.O. Box 236
Collinsville, Connecticut 06022
(860) 693 8403

April 28, 2010



Introduction

James K. Grant Associates was engaged by Paul Bailey Architects, LLC to conduct a structural condition survey of the Tracy Lewis House and Carriage House in Beacon Falls, CT. On April 9, 2010, James K. Grant, P.E. inspected the building. The inspection was visual with no invasive probes or physical testing performed. Notes were recorded and photographs were taken to document the conditions. All accessible areas of both buildings were entered.

Description

Main House

The Tracy Lewis House is a wood frame, 2-1/2 story, Colonial form structure dating from 1926. It has a full basement with a concrete floor slab and rubble stone foundation walls below exterior grade and brick walls from grade up to the first floor framing. The exterior has been clad with vinyl siding with no indication of the original siding, presumed to be wood clapboards. No openings for probes were made but the exterior walls are presumed to have wood board sheathing nailed to 2x4 wood studs. It is possible that the walls are balloon-framed, i.e., the studs are continuous from foundation to roof with floor joists nailed to the sides of the studs, rather than platform-framed with studs interrupted by floor construction. The roof is covered with asphalt shingles on plywood but the original roofing may have been wood shingles, based on the spaced furring boards visible in the attic. Interior wall finish is plaster on wood lath applied to wood studs. Floor framing for the first floor is 2" x 8-1/2" joists @ 16" o.c. spanning between wood beams supported on lally columns. Upper floor framing was not visible but is assumed to be similar to the first floor but supported on wood stud bearing walls. The gable roof rafters are 2" x 5-3/4" @ 24" o.c. There is a shed dormer, probably an alteration, on the front roof slope that creates a third floor of reduced footprint and there is an addition on the rear of the house that is elevated on columns. There is also a two story structure and a port cochere on the left side that appear to be later additions, but the two story section may have been porches that were later enclosed.

Carriage House

The carriage house is a gambrel roofed structure with vehicle storage on the ground floor, which is a slab-on-grade, and a second floor divided into small spaces by partitions. The second floor framing consists of 2 x 10 wood joists @ 18" o.c. supported on a center 6 x 10 wood beam which clear spans across both vehicle bays. The roof is covered with asphalt shingles over plywood on spaced boards, replacing the original roofing, probably wood shingles. The wall siding is wood shingles, possibly the original material.

Observations

Main House

The stone foundation walls are in sound condition (Photo 1) with no sign of settlement or bulging. No cracks or displacement of stones were seen where the wall is exposed but there is a significant area of wall concealed by wood stud and gypsum board partitions. A large area of the slab is covered by wood flooring on sleepers but exposed slab areas did not show any indication of heaving. There was no sign of recent water infiltration at the time of the inspection. The first floor framing felt firm underfoot but there is some sloping of the floor toward the center of the house and diagonal cracking of interior walls that signaled settlement of the center portion of the house (Photos 5 & 6). The second and third floors showed the same signs. Practically every interior wall in the house had diagonal cracks and all the floors are sloped to varying degrees. The exterior walls, however, are crack-free, consistent with the absence of any disturbance in the foundation walls. The above grade, brick portion of the foundation walls have no cracks and the mortar is in good condition (Photo 2). No spalling was noted and there are only a few localized incidences of mortar loss. The roof framing is in good condition with no indication of rotting seen in those areas which were accessible. There is staining of the interior finish in one valley area but the plaster is still soundly attached (Photo 8).

The two chimneys are in poor condition and have lost many bricks near their tops (Photos 3 & 4). The two story section at the left side of the house has a corner column that is quite rotted at its top and bottom (Photos 9 & 10).

Carriage House

The only serious problem noted in the Carriage House is a pronounced deflection of the second floor carrying beam (Photo 13). It is inadequate for the span and the loads imposed on it. Long term creep effects in the beam have exaggerated the deflection. The second floor is severely sloped due to the deflection. The stone foundation wall is parged with mortar and the parging has spalled from the right rear corner (Photo 14). This is more of a cosmetic issue than a structural one.

Conclusions and Recommendations

Main House

The settlement of the center of the house is still ongoing, based on the appearance of the cracks. Most of the cracks are open and not bridged with paint. Many of them show signs of prior repair and some of the repairs have cracked. Since the perimeter of the house has not settled, the apparent cause is settlement of interior column footings. This could be happening for a number of reasons including: footings are too small, poor bearing material present beneath the footing or a poor concrete mix which deteriorated. Additional investigation, which would involve exposing the footings, is needed to determine the cause of the problem but it would be advisable to plan on remedial work and eliminate the cost of the investigation. The work would involve temporary shoring to remove loads from the columns, removal of the existing footings and construction of new footings. Jacking of the floors to a level position is not recommended, unless the plaster were to be removed for a gut rehab, since this process would likely cause more damage to the plaster walls.

The only other structural work indicated is repair of the chimneys and repair of the rotted columns, but rehabilitation of existing buildings invariably uncovers other problems as the work progresses and additional expenses should be planned for in establishing a budget.

Carriage House

The deficiency in the second floor carrying beam should be addressed. The simplest solution is to add a column and footing to reduce the span of the beam. If this is not desirable, the beam can be reinforced by adding a new beam beneath the existing beam. Trussing the beam with steel rods is also an option, although more difficult to accomplish. Whichever means is employed, it would be possible to jack the second floor to remove most, if not all, of the slope since there are no finishes to be concerned with.

PHOTOGRAPHS



1. Typical foundation wall interior - rubble stone below grade, brick above. Good condition.



2. Exterior of brick foundation wall. Good condition, minor localized pointing needed.



3. Main chimney in poor condition at top. Repairs needed.



4. Rear chimney coming apart at the top, spalling bricks. Needs repairs.



5. Typical diagonal cracking of interior walls. Direction indicates settlement of house interior.



6. Another example of diagonal cracking indicating interior settlement.



7. Typical roof and wall construction. Plywood added over spaced roofing boards.



8. Stains from roof leaks in roof valley. Plaster still sound.



9. Rotting and mold growth at top of corner column on left wing of house.



10. Rotting and mold growth at bottom of same column.



11. Front wall of Carriage House.



12. Mortar spalling from foundation at right rear corner of Carriage House.



13. Deflected beam in second floor of Carriage House.



14. Typical roof framing and ceiling joists in Carriage House.

Tracy Lewis House - CNA Report (MEP)

Existing Conditions

HVAC

The building heating system is a two pipe steam system supplying low pressure steam to cast iron radiators. Steel distribution piping runs in the basement and within cavities of walls. The condensate return system is a gravity return system running in a loop around the perimeter of the building pitching back to the boiler. Each radiator is controlled with a non electric air vent type of control with sensing bulb. The boiler is a cast iron, 5-section "Weil McLain" model 80 series 1 in fair condition. The burner is a "Bbeckett" #CF60KH with a firing rate of 5-7 gallons per hour oil. Approximate output of 560,000 BTU/hr. Oil storage is located in the basement and is two (2) 275 gallon tanks.

The basement combustion air / ventilation is being taken through an open grate between the pantry and basement. Other areas lack proper bathroom ventilation or whole house ventilation.

The building does not have air conditioning or humidity control.

Electrical

The building is served by a 125 amp, 120/240 volt, single phase service. Two breaker type distribution panels in the basement feed all circuits in the house. Some knob and tube wiring exists within the building and NM (romex) and AC cable exists. We did not notice proper grounding type receptacles or a code compliant grounding system. Smoke detection exists, but does not meet current codes. Lighting fixtures are incandescent type, inefficient, and antiquated. The electrical system is in poor condition.

Plumbing/FP

Plumbing fixtures are cast enamel or vitreous china and do not meet current standards or codes. They are all beyond their useful life. Plumbing which was visible in the basement is mostly cast iron waste piping and copper water distribution. This piping appears in fair to good condition and could be re-used but will need to be checked by a plumber. The building has a 1" cold water service and 3" sanitary service typical of a residential property. The building does not have a fire protection sprinkler system.

Recommendations

HVAC

We recommend a complete removal of the existing system with a new hydronic heating system of baseboard heaters and piping. The existing system may be able to be converted to hot water, but we recommend replacement as it is beyond its useful life and is not controllable. A new propane or oil fired boiler is recommended. The existing oil tanks may remain if oil is chosen as the fuel.

We recommend central HVAC systems using air furnaces located in the basement to feed the first floor and in the attic/third floor to feed the second floor. Air cooled condensing units on site with two units considering one zone per floor. We recommend propane fired high efficiency condensing air furnaces.

The age of the building and construction yield a very loose envelope with high infiltration rates. We recommend two speed toilet ventilation fans with continuous low speed ventilation. The basement

exhibits a great deal of mold growth; please refer to the architectural section of this report. A system of de-humidifiers alone will not be a suitable correction unless the basement water problems and vapor barrier issues are dealt with properly.

Electrical

We recommend complete removal of the electrical systems due its age and code issues. The service should be replaced with a 200 / single phase or 400 amp / three phase service depending on the Architect's report and a need for an elevator if this building is to be made a public building. Some roughing may be able to be re-used but all wiring needs to be replaced.

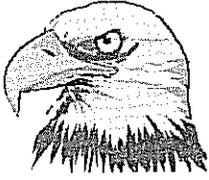
Although smoke detection would only be needed for a residential or institutional type of occupancy, we recommend an area wide smoke and fire detection system for this building regardless of the occupancy type due to the age and historic nature of the building.

Plumbing

We recommend complete fixture replacement and selected piping replacements. We noticed some walls have been opened up and pipes repaired to correct leaks. It would be prudent to abandon and/or replace all piping within walls and should be considered. All piping within the basement should be replaced. The 1" cold water service would support tank type toilets but not flush valve type.

Carriage House

The carriage house has a plumbing service assumed to be fed from the building which feeds a dilapidated slop sink. There also exists a floor drain. The building does not have heat and is fed by circuit(s) from the main house. All MEP systems within this building should be completely removed and replaced. The floor drain is recommended to be removed.



EAGLE ENVIRONMENTAL, INC.

March 22, 2010
(Revised April 30, 2010)

Mr. Paul Bailey
Paul Bailey Architect, LLC.
110 Audubon St.
New Haven, CT 06510

**RE: Pre-Renovation Hazardous Building Materials Inspection
Tracy Lewis and Carriage House
35-37 Wolfe Avenue
Beacon Falls, Connecticut
Eagle Project No. 10-049.10**

Dear Mr. Bailey:

Attached is the report for the pre-renovation hazardous building materials inspection conducted at the Tracy Lewis House and adjacent Carriage House located at 35-37 Wolfe Avenue in Beacon Falls, Connecticut.

Please do not hesitate to contact us if you have any questions regarding the contents of this report.

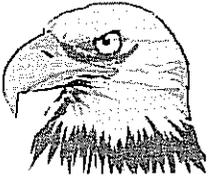
Sincerely,
Eagle Environmental, Inc.

Report Prepared By:
Chris Liberti
Project Manager

Report Reviewed By:
Raymond R. Folino
Principal in Charge

\\Eagle-server\public\2010 Files\2010 Reports\Paul Bailey Architect\35-37 Wolfe Avenue\35-37 Wolfe Ave. Tracy Lewis and Carriage House
Pre-Reno Haz Inspection (2-26-10)Revised .doc

531 NORTH MAIN STREET • BRISTOL, CT 06010
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EAGLE ENVIRONMENTAL, INC.

PRE-RENOVATION HAZARDOUS BUILDING MATERIALS
INSPECTION REPORT
FOR
THE TRACY LEWIS HOUSE AND CARRIAGE HOUSE
35-37 WOLFE AVENUE
BEACON FALLS, CONNECTICUT

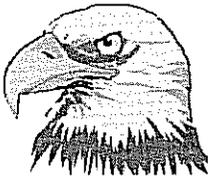
PROVIDED TO
PAUL BAILEY ARCHITECT, LLC
110 AUDUBON STREET
NEW HAVEN, CONNECTICUT

PROVIDED BY

EAGLE ENVIRONMENTAL, INC.
531 NORTH MAIN STREET
BRISTOL, CONNECTICUT

MARCH 22, 2010
REVISED APRIL 30, 2010

EAGLE PROJECT NO. 10-049.10



EAGLE ENVIRONMENTAL, INC.

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- Appendix 5 Abatement and Consulting Cost Estimates
- Appendix 6 Eagle Environmental Inc. Licenses
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1.0 INTRODUCTION

On February 26, 2010, Eagle Environmental, Inc. conducted a pre-renovation hazardous building materials inspection of the Tracy Lewis House and adjacent Carriage House located at 35-37 Wolfe Avenue in Beacon Falls, Connecticut. The scope of the inspection is limited to the materials described below.

Asbestos Containing Materials

The asbestos inspection was conducted in order to satisfy the USEPA National Emission Standard for Hazardous Air Pollutants Act (NESHAP) as amended November 20, 1990. The USEPA NESHAP final rule requires the identification and removal of all regulated ACM in an area of renovation prior to renovating the area if the renovation work will disturb the ACM.

The asbestos inspection was performed by Aaron Hatcher; a State of Connecticut licensed Asbestos Inspector (license # 000645).

Lead Based Paint

The lead based paint (LBP) screen was performed in accordance with the requirements of the State of Connecticut, Department of Environmental Protection (DEP), Guidance for the Management and Disposal of Lead Contaminated Materials Generated in the Lead Abatement, Renovation and Demolition Industries. The DEP regulates the disposal of hazardous lead waste in the State of Connecticut. Lead-contaminated debris, not contaminated with other hazardous materials, is classified either as hazardous lead waste or as non-hazardous solid waste.

Additionally the U.S. Department of Labor Occupational Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead in Construction.

The lead based paint screen was performed by Justin Proto; a State of Connecticut licensed Lead Inspector/Risk Assessor (license # 002204).

PCB Containing Caulk

The USEPA has recently identified caulking compounds as potential sources of Polychlorinated Biphenyls (PCB'S) contamination. PCB's are currently prohibited from being used in caulk and other commodities. The USEPA has identified numerous cases where PCBs have been added to caulk compounds prior to 1977 to improve adhesion and flexibility. The USEPA regulates the disposal of caulk, as well as soil and other materials contaminated with PCBs from caulk if the concentrations of PCBs is found to contain greater than 50 parts per million.

Universal Waste Products

Mercury

Fluorescent lamps, thermostats, mercury switches, manometers, natural gas meters, and other items can contain enough mercury to be classified as a special waste, and may therefore not be disposed of as regular construction debris. The mercury and mercury vapors associated with these products must be reclaimed prior to disposal of the products. A visual inspection for the presence of fluorescent lamps, thermostats and switches potentially containing mercury was performed.

Used Electronics

Used electronics and batteries may contain enough lead, mercury, cadmium, or acid electrolytes to be classified as special waste. In such cases, they may not be disposed of as regular construction debris. A visual inspection for the presence of used electronic devices was performed.

Polychlorinated Biphenyls (PCBs) and Di-ethylhexlpthalate (DEHP) Lighting Ballasts and Capacitors

PCBs and DEHP can be found in a number of items, including transformers, capacitors, fluorescent light ballast and other oil-containing equipment, and in certain building materials (i.e., roofing, flooring, insulation, etc.). DEHP and PCB-containing items such as these must be managed and disposed of in accordance with special requirements. A visual inspection for the presence of lighting ballasts potentially containing PCB's or DEHP was performed.

Chlorofluorocarbons

Freon gas includes a number of gaseous, colorless chlorofluorocarbons (CFC's) that are commonly used as refrigerants. Freon is listed as a controlled substance by governments around the world. In the United States, the USEPA regulates the emission of Freon gas into the atmosphere due to its ozone depleting capabilities. Through Title VI, Stratospheric Ozone Protection, of the Clear Air Act Amendments of 1990, the USEPA regulates Freon gas and requires mandatory recycling and a ban on the intentional venting or releasing of refrigerants during maintenance, service and or repair. A visual inspection for the presence of building materials potentially containing Freon was performed.

Storage Tanks

Petroleum products reclamation is required by the State of Connecticut DEP. Storage tanks containing petroleum products must be emptied of the product, the tanks cleaned and recycled at an approved facility.

2.0 BUILDING DESCRIPTION

Tracy Lewis House

The subject building located at 35-37 Wolfe Avenue is a two story residential structure of wood frame construction. The building has a full basement. The mechanical equipment consists of a steam fired radiant heat system with cast iron radiators. The mechanical system distribution system is un-insulated. The basement piping is exposed and all risers are contained within the walls on the floors above. The boiler is located in the basement of the structure. The interior walls and ceilings are a combination of sheetrock and joint compound construction and two coat plaster on lath construction. The window frames and sashes are of wood construction. The door frames are wood with wood doors. The floors are finished with various resilient flooring finishes. The exterior facades are clad with wood shingles under aluminum siding. The roofs are pitched and sloped and consists of one layer of asphalt shingles and built up roofing system with ballast.

Carriage House

The subject building is a two story wood constructed structure built on a concrete slab. The lower portion acts as a two (2) car garage. There is no heating system or mechanical equipment associated with this structure. The walls and ceilings are of wood construction.

The windows and door systems are of wood construction. The exteriors are clad with wood shingles. The roofs are pitched and consist of a single layer of asphalt shingles.

3.0 ASBESTOS CONTAINING MATERIALS

Inspection

The asbestos-containing materials inspection included the accessible interior and exterior portions of the two buildings including the roofing systems. Semi-destructive testing techniques are utilized during the inspection process. This included cutting through various layers of flooring and roofing materials to verify and sample individual layers of suspect ACM. Suspect building materials that are inaccessible for inspection and sampling are assumed to be ACM for the purpose of this report. These suspect materials are generally located in operational equipment, behind rigid walls and ceilings, below rubber roof membranes or otherwise concealed areas of the building including below grade materials.

During the inspection, suspect materials are located, sampled, quantified and the friability of the material is determined. Friable materials are those materials that hand pressure can crumble, pulverize or reduce to powder when dry. Estimated quantities of identified ACM's are provided for positive materials only. The materials are quantified in linear or square feet, depending on the nature of the material. Room numbers identified in the Table A and B correspond to room numbers provided on drawings contained in Appendix 1 of the report.

Bulk Sampling

During the sampling process, suspect ACM is separated into three USEPA categories. These categories are: Thermal System Insulation (TSI), Surfacing Materials, and Miscellaneous materials. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe covering, boiler insulation, duct wrap, and mudpack fitting cement. Surfacing ACM includes all ACM that is sprayed, toweled or otherwise applied to an existing surface. These applications are most commonly used in fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tile.

All bulk sampling methods and number of samples collected meets or exceeds the USEPA pre-renovation requirements.

Bulk Sample Analysis

The samples of the suspect asbestos containing materials are sent to a State of Connecticut Department of Public Health (DPH) approved laboratory for analysis by Polarized Light Microscopy (PLM). PLM is the USEPA accepted method of analysis for identification of asbestos in bulk matrixes. Samples are collected individually or in sets. When sets of samples are collected, each set is systematically analyzed until one sample is determined to contain asbestos. Upon determination that one sample in the set contains asbestos, analysis of the remaining samples in the set is discontinued. If no asbestos is observed during analysis of the set of samples, the suspect material is determined to be negative for asbestos content. A minimum of two (2) samples of suspect materials were collected during the inspection.

Friable ACM

Certain samples of friable materials shown to contain less than 10 % asbestos are analyzed further by the "Point Count Method".

This procedure is recommended by the United States Environmental Protection Agency to confirm friable bulk samples shown to have less than 10% asbestos by PLM to be definitively negative or positive for asbestos.

This method is accepted as providing statistically reliable results when analyzing bulk samples with very low asbestos concentrations. Friable materials containing "Trace" or "less than one percent (1%)" asbestos must be analyzed by the PLM Point Count Method.

Non-Friable ACM

Certain samples of non-friable materials shown to contain "less than 1 % asbestos", "TRACE" or "NAD" are recommended for analyses by the "NOB TEM ELAP 198.4 Method". This procedure is recommended by the United States Environmental Protection Agency to further evaluate non-friable bulk samples for asbestos. Suspect materials confirmed by NOB TEM to be "less than 1 % asbestos", "TRACE" or "NAD" are considered non-asbestos containing.

The laboratory results for the various analytical methods described in this report are presented in Table A and B.

Sample analysis results are reported in percentage of asbestos and non-asbestos components. The USEPA defines any material that contains greater than one percent asbestos, utilizing PLM, as being asbestos-containing material (ACM). Suspect materials containing greater than one percent (1%) asbestos utilizing the PLM Point Count Method and the NOB TEM method are also considered to be asbestos-containing. Materials determined to contain greater than one percent (1%) asbestos is regulated by the USEPA, the State of Connecticut Department of Public Health and Department of Environmental Protection and the United States Department of Labor. Sample results indicating "no asbestos detected" (NAD) are specified as non-asbestos containing materials. Samples results indicating "Did Not Analyze" (DNA) are not analyzed due to the stop on first positive request to the laboratory.

Conclusion

Tracy Lewis House

During the course of the building inspection one hundred five (105) bulk samples of suspect ACM were collected and ninety eight (98) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory. Additionally there was one (1) sample analyzed by the Point Count Method and one (1) sample analyzed by the NOB TEM Method.

From the one hundred five (105) samples, six (6) types of ACM were identified and one type was assumed to be asbestos containing. A complete inventory of identified ACM is provided in the Asbestos Containing Materials Summary Table (Table A).

The Point Count analyses confirmed the rough coat plaster on wood lath located in room 001 to be asbestos containing. The plaster is located on the ceiling throughout the basement boiler room. Plaster in the remaining portions of the building were sampled separately and confirmed to be non-asbestos.

The NOB TEM analyses confirmed the third layer self stick vinyl sheet flooring located in room 006 to be non-asbestos containing.

The non-friable flashing cement was confirmed to be asbestos containing. The flashing cement was identified on the chimney, vents and roof wall junction.

The non-friable white caulk was confirmed to be asbestos containing. The caulk was identified at the aluminum siding and soffit junction and associated with the storm windows.

The non-friable black mastic associated with floor tiles was confirmed to be asbestos containing. The mastic is located on concrete in room 004 and on wood in room 027.

The non-friable white with brown strip 9"x9" floor tiles was confirmed to be asbestos containing. The floor tiles are located on wood in room 027.

The non-friable ceramic tile grout was confirmed to be asbestos containing. The grout is located in rooms 022, 024 and 031.

Due to the structure being occupied, sampling of the all layers of flooring in room 028 was not possible without causing significant damage. There fore, additional flooring materials under the third layer of plywood are assumed to be present and are assumed to be asbestos containing.

Carriage House

During the course of the building inspection four (4) bulk samples of suspect ACM were collected and were analyzed by PLM based on the "stop on first positive" request to the laboratory.

No asbestos containing materials were identified associated with the Carriage house during this inspection.

All regulated friable and regulated non-friable ACM that will potentially be impacted by renovation work must be removed prior to renovation activities. All asbestos-containing materials require removal if the building will be demolished. A State of Connecticut Licensed Asbestos Abatement Contractor must be retained to perform the removal work. At the completion of the abatement work, visual inspections and re-occupancy air monitoring must be performed by a State of Connecticut licensed Asbestos Project Monitor within each abatement area prior to re-occupancy of the work area.

The Asbestos Abatement Contractor must submit a notice of asbestos abatement to the State of Connecticut Department of Public Health post marked or hand delivered ten (10) days prior to the commencement of any asbestos abatement activities involving the abatement of greater than ten (10) linear feet or twenty-five (25) square feet of asbestos-containing materials.

TABLE A
ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
PAUL BAILEY ARCHITECTS
TRACY LEWIS HOUSE
35-37 WOLFE AVENUE
BEACON FALLS, CONNECTICUT

| LOCATION(S) | MATERIAL TYPE | SAMPLE NUMBER | CLASS | BULK SAMPLE ANALYSIS RESULTS | | | | QUANTITY | F/NF |
|---|---|---------------|-------|--|-------------|---------|-----|--|------|
| | | | | PLM | PLM/PC | TEM NOB | ACM | | |
| TRACY LEWIS HOUSE | | | | | | | | | |
| Roof 1, 2 | Black flashing cement at chimney | 2-26-AH-05 | MISC | 10% Chrys | | | YES | 2 @ 8 SF Each | NF |
| | | 2-26-AH-06 | | DNA | | | | | |
| Roof 1, 2 | Black flashing cement at vent | 2-26-AH-05 | MISC | 10% Chrys | | | YES | 1 @ 1/2 SF Each | NF |
| | | 2-26-AH-06 | | DNA | | | | | |
| Roof 2, 4, 5 | Black flashing cement at roof wall junction | 2-26-AH-05 | MISC | 10% Chrys | | | YES | 55 LF | NF |
| | | 2-26-AH-06 | | DNA | | | | | |
| Facade A, B, C, D | White caulk at storm windows | 2-26-AH-15 | MISC | 3% Anth | | | YES | 7 @ 18 LF Each; 8 @ 14 LF Each; 9 @ 16 LF Each; 4 @ 40 LF Each; 2 @ 20 LF Each | NF |
| | | 2-26-AH-16 | | DNA | | | | | |
| Facade B | White caulk at aluminum siding and soffit junction | 2-26-AH-15 | MISC | 3% Anth | | | YES | 90 LF | NF |
| | | 2-26-AH-16 | | DNA | | | | | |
| 001 | Rough coat plaster on wood lathe at ceiling | 2-26-AH-24 | SURF | 2% Chrys | 1.25% Chrys | | YES | 250 SF | NF |
| | | 2-26-AH-25 | | DNA | | | | | |
| 004 | Black mastic associated with floor tile on concrete | 2-26-AH-26 | MISC | DNA | DNA | | YES | 100 SF | NF |
| | | 2-26-AH-48 | | 5% Chrys | | | | | |
| 027 | Black mastic associated with floor tile on wood | 2-26-AH-49 | MISC | DNA | | | YES | 180 SF | NF |
| | | 2-26-AH-48 | | 5% Chrys | | | | | |
| ANALYTICAL METHODS | | | | | | | | | |
| DNA = DID NOT ANALYZE | | | | PLM PC=EPA 600/R-93/116 QUANTITATION 400 POINT COUNT | | | | | |
| NAD=NO ASBESTOS DETECTED | | | | TEM NOB = NEW YORK ELAP 198.4 METHOD | | | | | |
| F = FRIABLE NF = NON-FRIABLE | | | | PLM=EPA 600/R-93/116 | | | | | |
| TSI = THERMAL SYSTEMS INSULATION | | | | PS=Previously Sampled | | | | | |
| SURF = SURFACING MATERIAL | | | | | | | | | |
| MISC = MISCELLANEOUS MATERIAL | | | | | | | | | |
| KEY | | | | | | | | | |
| SF = SQUARE FEET | | | | | | | | | |
| LF = LINEAR FEET | | | | | | | | | |
| Chrys = Chrysofile | | | | | | | | | |
| Amos = Amosite | | | | | | | | | |
| Anth = Anthophyllite | | | | | | | | | |
| Trem = Tremolite | | | | | | | | | |
| Croce=Crocidolite | | | | | | | | | |
| BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION | | | | | | | | | |

TABLE A
 ASBESTOS CONTAINING MATERIALS
 SUMMARY TABLE
 PAUL BAILEY ARCHITECTS
 TRACY LEWIS HOUSE
 35-37 WOLFE AVENUE
 BEACON FALLS, CONNECTICUT

| LOCATION(S) | MATERIAL TYPE | SAMPLE NUMBER | CLASS | BULK SAMPLE ANALYSIS RESULTS | | | | QUANTITY | F/NF |
|---|---|--|-------|------------------------------|--------|---------|-----|----------|------|
| | | | | PLM | PLM PC | TEM NOB | ACM | | |
| TRACY LEWIS HOUSE | | | | | | | | | |
| 022, 024, 031 | Ceramic tile grout | 2-26-AH-92 | MISC | 2% Chrys | | | | 435 SF | NF |
| | | 2-26-AH-93 | | DNA | | | YES | | |
| 027 | White with brown strip 9" x 9" floor tile | 2-26-AH-99 | MISC | 3% Chrys | | | | 180 SF | NF |
| | | 2-26-AH-100 | | DNA | | | YES | | |
| 028 | Additional layers of flooring under 3rd layer plywood | Assume | MISC | Assumed | | | | 150 SF | NF |
| CARRIAGE HOUSE | | | | | | | | | |
| NO ASBESTOS CONTAINING MATERIALS IDENTIFIED UNDER THIS SCOPE OF WORK | | | | | | | | | |
| KEY | | | | | | | | | |
| DNA = DID NOT ANALYZE | | ANALYTICAL METHODS | | | | | | | |
| NAD=NO ASBESTOS DETECTED | | PLM PC=EPA 600/R-93/116 QUANTITATION 400 POINT COUNT | | | | | | | |
| F = FRIABLE NF = NON-FRIABLE | | TEM NOB = NEW YORK ELAP 198.4 METHOD | | | | | | | |
| TSI = THERMAL SYSTEMS INSULATION | | PLM=EPA 600/R-93/116 | | | | | | | |
| SURF = SURFACING MATERIAL | | PS=Previously Sampled | | | | | | | |
| MISC = MISCELLANEOUS MATERIAL | | | | | | | | | |
| BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION | | | | | | | | | |

TABLE B
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
PAUL BAILEY ARCHITECTS
TRACY LEWIS HOUSE
35-37 WOLFE AVENUE
BEACON FALLS, CONNECTICUT

| LOCATION(S) | MATERIAL TYPE | SAMPLE NUMBER | CLASS | BULK SAMPLE ANALYSIS RESULTS | | | |
|---|--|---------------|-------|--|--------|---------|-----|
| | | | | PLM | PLM PC | TEM NOB | ACM |
| MAIN HOUSE | | | | | | | |
| Roof 1, 3 | Green and black asphalt shingles | 2-26-AH-01 | MISC | NAD | | | NO |
| | | 2-26-AH-02 | | NAD | | | |
| Roof 1, 3 | Black felt paper on wood | 2-26-AH-03 | MISC | NAD | | | NO |
| | | 2-26-AH-04 | | NAD | | | |
| Roof 2 | One ply built up roofing on wood | 2-26-AH-07 | MISC | NAD | | | NO |
| | | 2-26-AH-08 | | NAD | | | |
| Facade A, B | Tan vapor paper under wood shingle | 2-26-AH-09 | MISC | NAD | | | NO |
| | | 2-26-AH-10 | | NAD | | | |
| Facade A | White wood window glazing compound | 2-26-AH-11 | MISC | NAD | | | NO |
| | | 2-26-AH-12 | | NAD | | | |
| Facade A, D | Clear basement window casing caulk | 2-26-AH-13 | MISC | NAD | | | NO |
| | | 2-26-AH-14 | | NAD | | | |
| 001 | Boiler rope gasket at ribs | 2-26-AH-17 | MISC | NAD | | | NO |
| | | 2-26-AH-18 | | NAD | | | |
| 001 | Yellow gasket at burner gun | 2-26-AH-20 | MISC | NAD | | | NO |
| | | 2-26-AH-21 | | NAD | | | |
| 001 | Grey chimney flue cement | 2-26-AH-22 | MISC | NAD | | | NO |
| | | 2-26-AH-23 | | NAD | | | |
| 001 | Grey sheetrock | 2-26-AH-27 | MISC | NAD | | | NO |
| | | 2-26-AH-28 | | NAD | | | |
| 001 | White skim coat at original chimney flue | 2-26-AH-29 | MISC | NAD | | | NO |
| | | 2-26-AH-30 | | NAD | | | |
| 002, 003 | White sheetrock | 2-26-AH-31 | MISC | NAD | | | NO |
| | | 2-26-AH-32 | | NAD | | | |
| 002, 004 | Joint compound | 2-26-AH-33 | MISC | NAD | | | NO |
| | | 2-26-AH-34 | | NAD | | | |
| | | 2-26-AH-35 | | NAD | | | |
| KEY | | | | ANALYTICAL METHODS | | | |
| NAD = NO ASBESTOS DETECTED | | | | PLM = EPA 600/R-93/116 | | | |
| DNA = DID NOT ANALYZE | | | | PLM PC=EPA 600/R-93/116 QUANTITATION/400 POINT | | | |
| TSI = THERMAL SYSTEMS INSULATION | | | | TEM NOB = NEW YORK ELAP 198.4 METHOD | | | |
| SURF = SURFACING MATERIAL | | | | | | | |
| MISC = MISCELLANEOUS MATERIAL | | | | | | | |
| BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION | | | | | | | |

TABLE B
 NON - ASBESTOS CONTAINING MATERIALS
 SUMMARY TABLE
 PAUL BAILEY ARCHITECTS
 TRACY LEWIS HOUSE
 35-37 WOLFE AVENUE
 BEACON FALLS, CONNECTICUT

| LOCATION(S) | MATERIAL TYPE | SAMPLE NUMBER | CLASS | BULK SAMPLE ANALYSIS RESULTS | | |
|---|--|---------------|-------|--|--------|-----|
| | | | | PLM | PLM PC | ACM |
| 002, 003 | Sheetrock/joint compound composite | 2-26-AH-36 | MISC | NAD | | NO |
| | | 2-26-AH-37 | | NAD | | |
| 002 | 2' x 4' Acoustical ceiling tile hole and fissure | 2-26-AH-38 | MISC | NAD | | NO |
| | | 2-26-AH-39 | | NAD | | |
| 003 | 4" Grey vinyl cove base | 2-26-AH-40 | MISC | NAD | | NO |
| | | 2-26-AH-41 | | NAD | | |
| 003 | Tan adhesive associated with vinyl cove base | 2-26-AH-42 | MISC | NAD | | NO |
| | | 2-26-AH-43 | | NAD | | |
| 003 | White ceramic tile grout | 2-26-AH-44 | MISC | NAD | | NO |
| | | 2-26-AH-45 | | NAD | | |
| 004 | White with grey spec 12" x 12" floor tile | 2-26-AH-46 | MISC | NAD | | NO |
| | | 2-26-AH-47 | | NAD | | |
| 005, 006, 007, 015, 019 | Plaster skim coat | 2-26-AH-50 | SURF | NAD | | |
| | | 2-26-AH-51 | | NAD | | |
| | | 2-26-AH-52 | | NAD | | NO |
| | | 2-26-AH-53 | | NAD | | |
| 005, 006, 007, 015, 019 | Plaster rough coat | 2-26-AH-54 | SURF | NAD | | |
| | | 2-26-AH-55 | | NAD | | |
| | | 2-26-AH-56 | | NAD | | |
| | | 2-26-AH-57 | | NAD | | NO |
| 005 | White skim coat on concrete walls | 2-26-AH-58 | SURF | NAD | | |
| | | 2-26-AH-59 | | NAD | | |
| | | 2-26-AH-60 | | NAD | | NO |
| 006 | Bottom layer brown felt paper on wood | 2-26-AH-61 | MISC | NAD | | |
| | | 2-26-AH-62 | | NAD | | |
| | | 2-26-AH-63 | | NAD | | NO |
| | | 2-26-AH-64 | | NAD | | NO |
| KEY | | | | ANALYTICAL METHODS | | |
| NAD = NO ASBESTOS DETECTED | | | | PLM = EPA 600/R-93/116 | | |
| DNA = DID NOT ANALYZE | | | | PLM PC=EPA 600/R-93/116 QUANTITATION 400 POINT | | |
| TSI = THERMAL SYSTEMS INSULATION | | | | TEM NOB = NEW YORK ELAP 198.4 METHOD | | |
| SURF = SURFACING MATERIAL | | | | | | |
| MISC = MISCELLANEOUS MATERIAL | | | | | | |
| BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION | | | | | | |

TABLE B
 NON - ASBESTOS CONTAINING MATERIALS
 SUMMARY TABLE
 PAUL BAILEY ARCHITECTS
 TRACY LEWIS HOUSE
 35-37 WOLFE AVENUE
 BEACON FALLS, CONNECTICUT

| LOCATION(S) | MATERIAL TYPE | SAMPLE NUMBER | CLASS | BULK SAMPLE ANALYSIS RESULTS | | |
|--|--|---------------|-------|------------------------------|--------|-----|
| | | | | PLM | PLM PC | ACM |
| 006 | 4 th Layer grey floor tile | 2-26-AH-65 | MISC | NAD | | NO |
| | | 2-26-AH-66 | | NAD | | |
| 006 | Brown adhesive associated with grey floor tile | 2-26-AH-67 | MISC | NAD | | NO |
| | | 2-26-AH-68 | | NAD | | |
| 006 | 3 rd Layer self stick vinyl sheet flooring on wood | 2-26-AH-69 | MISC | NAD | NAD | NO |
| | | 2-26-AH-70 | | NAD | | |
| 006 | 2 nd Layer grey levelastic on vinyl sheet flooring | 2-26-AH-71 | MISC | NAD | | NO |
| | | 2-26-AH-72 | | NAD | | |
| 006 | Top layer beige with green square pattern vinyl sheet flooring | 2-26-AH-73 | MISC | NAD | | NO |
| | | 2-26-AH-74 | | NAD | | |
| 006 | White adhesive associated top layer beige with green square pattern with vinyl sheet | 2-26-AH-75 | MISC | NAD | | NO |
| | | 2-26-AH-76 | | NAD | | |
| 006 | Brown panel adhesive | 2-26-AH-77 | MISC | NAD | | NO |
| | | 2-26-AH-78 | | NAD | | |
| 006, 007 | Grey vapor paper under hardwood floor | 2-26-AH-79 | MISC | NAD | | NO |
| | | 2-26-AH-80 | | NAD | | |
| 009, 011, 016 | Popcorn textured ceiling paint | 2-26-AH-81 | MISC | NAD | | NO |
| | | 2-26-AH-82 | | NAD | | |
| | | 2-26-AH-83 | | NAD | | |
| 014, 017 | Grey ceramic thinset adhesive | 2-26-AH-84 | MISC | NAD | | NO |
| | | 2-26-AH-85 | | NAD | | |
| 018 | Dark brown panel adhesive | 2-26-AH-86 | MISC | NAD | | NO |
| | | 2-26-AH-87 | | NAD | | |
| 019, 021 | 1' x 1' Ornate pattern accoustical ceiling tile | 2-26-AH-88 | MISC | NAD | | NO |
| | | 2-26-AH-89 | | NAD | | |
| 022, 024 | Tan ceramic tile adhesive | 2-26-AH-90 | MISC | NAD | | NO |
| | | 2-26-AH-91 | | NAD | | |
| KEY | | | | | | |
| NAD = NO ASBESTOS DETECTED DNA = DID NOT ANALYZE TSI = THERMAL SYSTEMS INSULATION SURF = SURFACING MATERIAL MISC = MISCELLANEOUS MATERIAL | | | | | | |
| PLM = EPA 600/R-93/116 PLM PC=EPA 600/R-93/116 QUANTITATION400 POINT TEM NOB = NEW YORK ELAP 198.4 METHOD | | | | | | |
| ANALYTICAL METHODS | | | | | | |
| BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION | | | | | | |

TABLE B
 NON - ASBESTOS CONTAINING MATERIALS
 SUMMARY TABLE
 PAUL BAILEY ARCHITECTS
 TRACY LEWIS HOUSE
 35-37 WOLFE AVENUE
 BEACON FALLS, CONNECTICUT

| LOCATION(S) | MATERIAL TYPE | SAMPLE NUMBER | CLASS | BULK SAMPLE ANALYSIS RESULTS | | |
|--|---|---------------|-------|--|--------|-----|
| | | | | PLM | PLM PC | ACM |
| MAIN HOUSE | | | | | | |
| 025, 027, 028 | Light textured ceiling paint | 2-26-AH-94 | SURF | NAD | | NO |
| | | 2-26-AH-95 | | NAD | | |
| | | 2-26-AH-96 | | NAD | | |
| 026, 032 | Yellow carpet adhesive | 2-26-AH-97 | MISC | NAD | | NO |
| | | 2-26-AH-98 | | NAD | | |
| 028 | Beige flower pattern vinyl sheet flooring | 2-26-AH-101 | MISC | NAD | | NO |
| | Tan adhesive associated with vinyl sheet flooring | 2-26-AH-102 | | NAD | | |
| 028 | | 2-26-AH-103 | MISC | NAD | | NO |
| | | 2-26-AH-104 | | NAD | | |
| 034 | Grey battleship linoleum | 2-26-AH-105 | MISC | NAD | | NO |
| | | 2-26-AH-106 | | NAD | | |
| CARRIAGE HOUSE | | | | | | |
| Roof 1 | Black and grey asphalt shingles | 2-26-AH-107 | MISC | NAD | | NO |
| | | 2-26-AH-108 | | NAD | | |
| Facade A, B | White wood window glazing compound | 2-26-AH-109 | MISC | NAD | | NO |
| | | 2-26-AH-110 | | NAD | | |
| KEY | | | | | | |
| NAD = NO ASBESTOS DETECTED DNA = DID NOT ANALYZE TSI = THERMAL SYSTEMS INSULATION SURF = SURFACING MATERIAL MISC = MISCELLANEOUS MATERIAL | | | | | | |
| | | | | ANALYTICAL METHODS | | |
| | | | | PLM = EPA 600/R-93/116 PLM PC=EPA 600/R-93/116 QUANTITATION400 POINT TEM NOB = NEW YORK ELAP 198.4 METHOD | | |
| BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION | | | | | | |

4.0 LEAD-BASED PAINT

X-Ray Fluorescence Screen

The lead-based paint screen was performed utilizing an X-Ray Fluorescence (XRF) Radiation Monitoring Device (RMD) Lead Paint Analyzer (LPA 1), serial number 1509 within the limits of the inspection areas. The screen includes only accessible areas within the inspection areas and accessible building materials.

The lead-based paint screen is performed to determine if detectable levels of lead are present in surface coatings on building materials. Surface coatings including but not limited to paint, varnish and shellac containing detectable levels of lead ($>0.0 \text{ mg/cm}^2$), and will be disturbed by renovation activities, require the contractor to perform an initial exposure assessment to evaluate lead exposure to their employees.

Prior to any testing, the XRF was calibrated against the manufacturer's test block and the National Institute of Science and Technology (NIST) 1.02 mg/cm^2 Standard Reference Material. Testing was initiated upon successful calibration checks against the referenced standards.

The lead-based paint screen includes testing limited components and or surfaces throughout the structure. It is not the intent to test all painted components, but to identify on a broad scale the impact of lead paint as it relates to the disposal of lead paint contaminated debris and potential worker exposure issues. Generally, wall and ceiling surfaces, painted floors, window systems and door systems are tested. Other components such as baseboards, cabinets, columns, trim, etc. are tested on a limited basis. Component and surface locations are identified by side designations represented by the letters "A", "B", "C", and "D". The "A" side is considered the front of the building with the "B", "C", and "D" side following in a clockwise order.

The data is presented on computer generated Lead Inspection Reports contained in Appendix 3. The Summary Report provides an inventory of each surface coating that contains lead at or above 1.0 mg/cm^2 . The Detailed Report is an inventory of each tested surface on a room-by-room basis.

For the purpose of this report, the XRF results are separated into two (2) categories; high levels of lead ($>1.0 \text{ mg/cm}^2$) and low levels of lead ($<1.0 \text{ mg/cm}^2$). Building materials containing high levels of lead have a greater probability of creating worker exposures during construction than do building materials with low levels of lead. Additionally, lead waste characterization sampling is required for building materials containing high levels of lead ($>1.0 \text{ mg/cm}^2$) and will become a waste product as a result of demolition or renovation activities.

Discussion

Worker Protection

The U.S. Department of Labor Occupation Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead Exposure in Construction; Interim Final Rule. Currently, OSHA does not define a threshold level of lead in paint that may cause worker exposure. Any detectable level of lead in paint ($>0.0 \text{ mg/cm}^2$ by XRF or $>0.01 \%$ by AAS) requires task specific exposure monitoring. This "initial exposure assessment" must be conducted by trained workers utilizing appropriate personal protective equipment. Exposure assessments must be conducted for each task where painted surfaces or components are disturbed.

Examples of task subject to initial monitoring when detectable levels of lead are identified include but are not limited to surface preparation for repainting, manual demolition of components with detectable levels of lead paint and the welding, cutting or grinding of steel with detectable levels of lead in paint. Refer to the OSHA Lead in Construction Regulation, 29 CFR 1926.62 for expected exposures for each task.

Lead Waste Characterization

The State of Connecticut Department of Environmental Protection regulates the disposal of hazardous waste. The required analytical test to determine a materials waste classification is the Toxicity Characteristic Leachate Procedure, or TCLP (Regulation of State DEP 22a-449© - 101 (a) (1), incorporating 40 CFR 262.24).

The TCLP test subjects a 100-gram sample of waste material to a simulated landfill leaching condition, and assesses the ability of the sample to leach out lead into the environment. The waste is classified as hazardous lead waste if the TCLP sample result is greater than 5.0 mg/l of lead. The waste is classified as non-hazardous solid waste if the TCLP sample result is less than 5.0 mg/l of lead. Building debris containing equal to or greater than 1.0 mg/cm² of lead by XRF requires waste classification analysis.

Results

XRF Testing Results

Tracy Lewis House

A total of one hundred seventy-two (172) XRF readings were collected during the lead-based paint screen of the building. The lead-based paint screen identified components or surfaces that contain high levels of lead in paint coatings. The wood window components, wood doors, wood stairs, wood columns, plaster walls, wood baseboards, metal radiators and floor components were found to contain high levels of lead in paint. The remaining components and surfaces that were tested contain no lead or low levels of lead in paint coatings.

Carriage House

A total of thirty-three (33) XRF readings were collected during the lead-based paint screen of the building. The lead-based paint screen identified a limited quantity of components or surfaces that contain high levels of lead in paint coatings. The wood window components, wood and fiberboard walls, wood garage doors and wood floors were found to contain high levels of lead in paint. The remaining components and surfaces that were tested contain no lead or low levels of lead in paint coatings.

A complete inventory of tested building materials is presented in Detailed Reports contained Appendix 3.

Conclusion

Worker Protection

Initial exposure assessments must be performed on employees performing tasks that disturb building materials, which contain detectable levels of lead in paint such as manual demolition, salvage and other paint disturbing tasks.

The employer shall assume that employee exposures are above the Permissible Exposure Limit (PEL) of 50 ug/m³ but not in excess of ten (10) times the PEL for manual demolition, manual scraping, manual sanding, heat gun applications, power tool cleaning with dust collection systems and spray painting with lead paint. Until the employer provides an employee exposure assessment, the employer shall provide the employee with appropriate respiratory protection, appropriate personal protective clothing and equipment, change areas, hand washing stations, biological monitoring and training.

Waste Characterization

Currently, two scenarios are being considered for the final outcome of the buildings. The first scenario involves the complete demolition of the buildings. The second scenario involves a partial to complete gut of the buildings and restoration. The scenarios are being evaluated based on the acquired funding for the project, the architectural significance of the buildings and the feasibility of restoration.

The cost to address the identified lead-based paint will vary depending on the end use of the buildings. If the buildings are demolished and waste characterization analysis determines that very little or no hazardous lead waste will be generated during demolition, then associated costs to address the lead based paint will be nominal. However, if waste characterization analysis determines that hazardous lead waste will be generated as a result of demolition, more substantial lead demolition costs will be realized by the Town. The lead-based paint demolition cost estimates provided under the "Demolition" scenario assume a minimum of thirty cubic yards of hazardous lead waste to be generated during demolition. This should provide for a worse case demolition estimate.

The renovation of the buildings will generally result in more labor to stabilize painted surfaces that will remain as part of the renovation work. The renovation scenario accounts for more labor and less disposal since it can be assumed that most significant architectural components will be rehabilitated rather than disposed of.

5.0 PCB CONTAINING CAULKING

The USEPA has identified numerous cases where Polychlorinated Biphenyls (PCB'S) have been added to caulk compound to improve adhesion and flexibility. Caulking found to contain greater than 50 parts per million (ppm) is regulated to the Toxic Substances Control Act and the PCB Regulations in 40 CFR Part 761.

Tracy Lewis House

Two (2) caulk samples were collected and analyzed for PCB's utilizing the EPA Method 8082. The exterior window frame caulks were analyzed for this project. The two (2) samples contained 21000 ug/Kg (21 ppm) and 6800 ug/Kg (6.8 ppm) which are below the 50 ppm limit. No further action is required.

Carriage House

No suspect PCB caulks associated with the Carriage House were identified during the inspection.

The PCB laboratory reports and chain of custody are provided in Appendix 4.

6.0 UNIVERSAL WASTE PRODUCTS

Universal Waste products include a group of materials that are sometimes found in building materials or are a component of a building fixture that is subject to universal waste regulations. Universal waste includes fluorescent lamps, thermostats, mercury switches, manometers, natural gas meters, used electronics and batteries. There are other Universal Waste products such as pesticides that are not building materials and are not included in the scope of this inspection. Universal Waste products are subject to USEPA and state regulations. These regulations promote collection and recycling of these materials by easing regulatory burden. In addition, the regulations also ensure that the wastes subject to this system will go to appropriate treatment or recycling facilities pursuant to the full hazardous waste regulatory controls.

Inspection

All fluorescent, metal halide and sodium lamps are assumed to contain mercury vapors. Thermostatic controls, switches, manometers and other used electronic components also disassembled and inspected for the presence of mercury bulbs. Electronic or pneumatic thermostats generally do not contain mercury bulbs. Eagle Environmental, Inc. performed a visual inspection within the building for mercury vapor lighting and thermostatic controls with mercury bulbs.

Results

Tracy Lewis House

A total of forty-eight (48) linear feet of florescent light bulbs, a total of one (1) thermostat, a total of two (2) CFC's and a total of one (1) electronic were identified in the subject building.

Carriage House

No Universal Waste products were identified within the Carriage House during the inspection.

The total quantity and location of each material type identified during the inspection is provided in Table C.

Conclusion

All Universal Waste Products that will be disposed of during the renovation work must be removed for proper recycling.

TABLE C
 UNIVERSAL WASTE PRODUCTS
 SUMMARY TABLE
 PAUL BAILEY ARCHITECTS
 TRACY LEWIS HOUSE
 35-37 WOLFE AVENUE
 BEACON FALLS, CONNECTICUT

| ROOM | FIXTURE TYPE | FLUORESCENT LAMPS | | | DESCRIPTION | THERMOSTATS | CFCS | ELECTRONICS QUANTITY | LEAD ACID BATTERIES |
|---|--------------|-------------------|-------|---------|-------------|------------------|-------------|----------------------|---------------------|
| | | LF | ROUND | U-SHAPE | | | | | |
| TRACY LEWIS HOUSE | | | | | | | | | |
| 001 | 1 | 16 | | | | | | | |
| 002 | 1 | 32 | | | | | | | |
| 006 | | | | | | 1 @ Refrigerator | 1 Microwave | | |
| 012 | | | | | 1 | | | | |
| 033 | | | | | | 1 @ Refrigerator | | | |
| CARRIAGE HOUSE | | | | | | | | | |
| NO UNIVERSAL WASTE PRODUCTS IDENTIFIED UNDER THIS SCOPE OF WORK | | | | | | | | | |
| TOTAL | | 48 | | | 1 | 2 | 1 | | |
| NOTES | | | | | | | | | |
| FIXTURE TYPE | | 1 PCB | | | | | | | |

7.0 PCB AND DEHP CONTAINING LIGHTING BALLASTS AND CAPACITORS

Inspection

In order to determine if PCB or DEHP containing lighting equipment within the buildings, individual light fixtures and capacitors associated with various types of equipment and products at the site are inspected.

Light fixtures are disassembled and the ballast associated with various types of equipment and products at the site are visually inspected for labeling indicating the absence of PCB's. Ballasts that are labeled "NO PCB's" are assumed to contain DEHP if the manufacturers date stamp is between 1980 and 1991 on the label. Ballasts that are not labeled "NO PCB's" are assumed to contain PCB's if they do not contain a date stamp. Any ballast with a manufacturers date stamp after 1991 or is identified as an electronic ballast is not considered a regulated waste.

Oil- filled or running capacitors are predominately, but not exclusively, found in air conditioners, fluorescent light ballasts, dehumidifiers, microwave ovens, submersible pumps, mercury vapor lamps, copy machines and electrical control panels. Oil capacitors are less commonly found in refrigerators, washing machines, dryers and fans. These capacitors are designed to stay in a motor circuit for the entire cycle of operation. The oil helps to dissipate the heat in the capacitor during operation and maximizes the running efficiency of a motor. Running capacitors are identified by rectangular or oval metal casing. An oil-filled capacitor manufactured after 1979 may have "NO PCB's" stamped on its casing. These are filled with oil which does not contain PCB's but may contain DEHP. Capacitors with date stamps prior to 1979 or no date stamps are assumed to contain PCB's.

Results

Tracy Lewis House

A total of twelve (12) PCB containing light fixture ballast and a total of four (4) PCB or DEHP containing oil-filled capacitors were identified in the subject building. The capacitors are associated with refrigerators and dishwashers located in rooms 006 and 033.

Carriage House

No PCB or DEHP containing equipment were identified within the Carriage House during the inspection.

The total quantity and location of each material type identified during the inspection is provided in Table D.

Conclusion

Ballasts and Capacitors indicated as containing PCB's or DEHP that will be disposed of during the renovations must be removed from the building for proper recycling and incineration.

TABLE D
 PCB AND DEHP BALLASTS AND CAPACITORS
 SUMMARY TABLE
 PAUL BAILEY ARCHITECTS
 TRACY LEWIS HOUSE
 35-37 WOLFE AVENUE
 BEACON FALLS, CONNECTICUT

| ROOM | FIXTURE TYPE OR COMPONENTS | | BALLAST TYPE | | ELECTRONICS | | CAPACITORS | | FUEL OIL STORAGE TANKS | | | OBSERVATIONS (Staining, Leaks etc.) |
|---|----------------------------|------|--------------|-------------|-------------|----------|------------|----------------|----------------------------|------------|--|--|
| | PCB | DEHP | ELEC. | DESCRIPTION | QUANTITY | QUANTITY | QUANTITY | SIZE (Gallons) | VOLUME OR PRODUCT IN TANKS | UST OR AST | | |
| TRACY LEWIS HOUSE | | | | | | | | | | | | |
| 001 | 1 | 4 | | | | | | | 2 @ 275 | 1/2 Full | | |
| 002 | 1 | 8 | | | | | | | | | | |
| 006 | | | | | | | | | | | | |
| 033 | | | | | | | | | | | | |
| CARRIAGE HOUSE | | | | | | | | | | | | |
| NO PCB AND DEHP BALLAST OR CAPACITORS IDENTIFIED UNDER THIS SCOPE OF WORK | | | | | | | | | | | | |
| TOTAL | | 12 | | | | | | | 4 | 550 | | |

8.0 CHLOROFLUOROCARBONS

Inspection

Eagle Environmental inspected the buildings for compressor tanks associated with appliances and cooling systems. The inspectors also inspected rooftop HVAC units where present. These tanks are all assumed to be Freon containing tanks.

Results

Tracy Lewis House

A total of two (2) Freon tanks were identified during the inspection. The Freon tanks are associated with refrigerators identified in rooms 006 and 033.

Carriage House

No Freon containing equipment was identified within the Carriage House during the inspection.

Conclusion

All refrigerant containing compressor tanks must have the refrigerants reclaimed prior to disposing of the tanks. Manifest for the reclamation of the refrigerants must be retained by the building owner.

9.0 STORAGE TANKS

Inspection

Eagle Environmental, Inc. performed a visual inspection for the presence of storage tanks at the site. This included inspecting the interior, primarily the basement, for above ground storage tanks (AST). The exterior of the site is also inspected for the presence of vent or fill pipes associated with underground storage tanks (UST). The inspection is limited to only those visible components that may be associated with a storage tank. UST's that have been previously abandoned with the fill and vent pipes removed cannot be identified based on this level of inspection.

The inspector attempted to quantify the remaining volume of product in any tank that was identified.

Results

Tracy Lewis House

A total of two (2) above ground oil storage tanks were identified at the site. The tanks are located in the room 001 and were about half full at the time of the inspection.

Carriage House

No storage tanks associated with the Carriage House were identified during the inspection.

Conclusion

If the ASTs will be removed as part of the renovation work, the tanks must be pumped free of any remaining product, cleaned and recycled.

10.0 COST ESTIMATES

During the development of this report, the final outcome of the building, renovation verse demolition, had not been decided. Two cost estimates have been provided outlining the expected costs for each scenario.

This is a budgetary opinion of cost that is expected to be within -15 to + 30 percent of the actual cost. Eagle Environmental, Inc. has no control over the cost of labor, materials, equipment or services furnished by others, or over the Contractor(s)' methods of determining prices, or over competitive bidding or market conditions. Eagle Environmental, Inc.'s opinion of probable cost of abatement are made on the basis of Eagle Environmental, Inc.'s experience and qualifications and represent Eagle Environmental, Inc.'s judgment as an experienced and qualified consultant familiar with the abatement industry; but Eagle Environmental, Inc. cannot and does not guarantee that proposals, bids or actual Total Project or Abatement Cost will not vary from opinions of probable cost prepared by Eagle Environmental, Inc. If prior to the bidding or negotiating phase the Owner wishes greater assurance as to Total Project or Abatement Cost the Owner shall employ an independent cost estimator.

SIDE-C

HATCH

005

004

003

001

002

SIDE-B

SIDE-D

MAIN HOUSE
BASEMENT FLOOR PLAN

C = CLOSET EVALUATED
WITH ADJACENT ROOM

NOT TO SCALE

SIDE-A (STREET SIDE)

SHEET NO.

FP-1

SHEET 1 OF 6



EAGLE ENVIRONMENTAL, INC.

DATE: 3/2/10
PROJECT NO.: 10-049.10
DRAWN BY: MR
REVIEWED BY: CL

PRE-RENOVATION HAZARDOUS BUILDING MATERIALS INSPECTION
TRACY LEWIS HOUSE
35-37 WOLFE AVENUE, BEACON FALLS, CONNECTICUT
MAIN HOUSE: BASEMENT FLOOR PLAN

531 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
860-589-8257

SIDE-C

BASEMENT HATCH

CHIMNEY

037
PORCH AND
STAIRWELL

014

006

013

SIDE-B

CARPORT

1B
ENCLOSED
PORCH

011

C

C

007

SIDE-D

010

009

008

ENTRY
OVERHANG

MAIN HOUSE FIRST FLOOR PLAN

C = CLOSET EVALUATED
WITH ADJACENT ROOM

NOT TO SCALE

SIDE-A (STREET SIDE)

SHEET NO.

FP-2

SHEET 2 OF 6



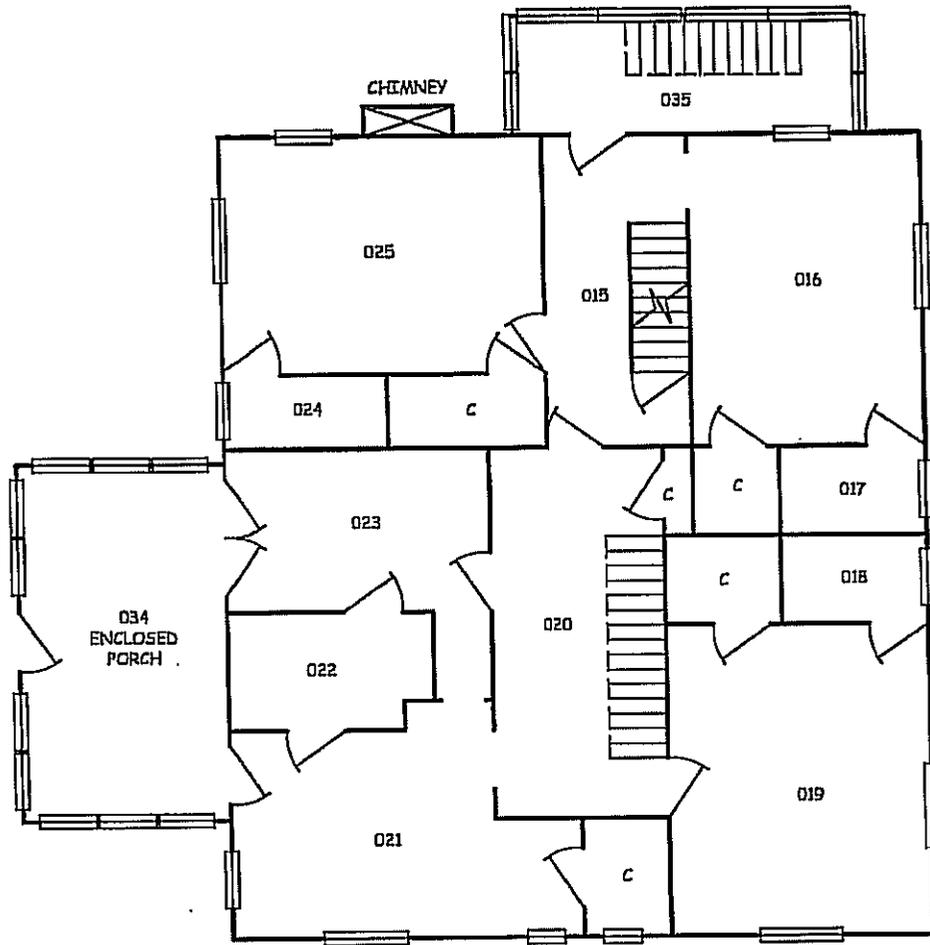
EAGLE ENVIRONMENTAL, INC.

531 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
860-589-8257

DATE: 3/2/10
PROJECT NO.: 10-049.10
DRAWN BY: MR
REVIEWED BY: CL

PRE-RENOVATION HAZARDOUS BUILDING MATERIALS INSPECTION
TRACY LEWIS HOUSE
35-37 WOLFE AVENUE, BEACON FALLS, CONNECTICUT
MAIN HOUSE: FIRST FLOOR PLAN

SIDE-C



MAIN HOUSE
SECOND FLOOR PLAN

C = CLOSET EVALUATED
WITH ADJACENT ROOM

NOT TO SCALE

SIDE-A (STREET SIDE)

SHEET NO.

FP-3

SHEET 3 OF 6



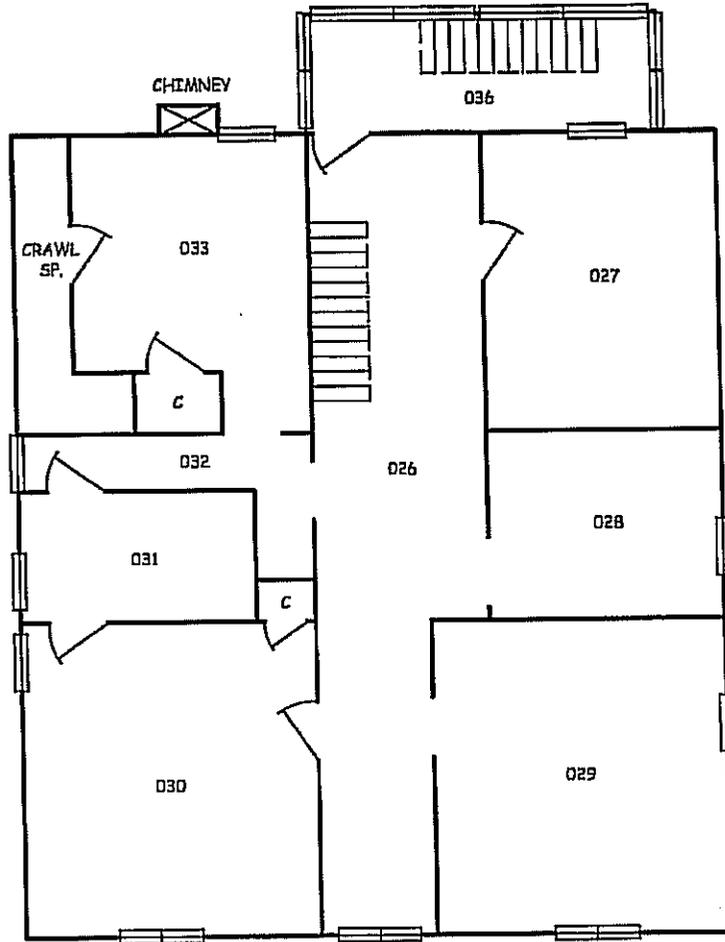
EAGLE ENVIRONMENTAL, INC.

DATE: 3/2/10
PROJECT NO.: 10-049.10
DRAWN BY: MR
REVIEWED BY: CL

PRE-RENOVATION HAZARDOUS BUILDING MATERIALS INSPECTION
TRACY LEWIS HOUSE
35-37 WOLFE AVENUE, BEACON FALLS, CONNECTICUT
MAIN HOUSE: SECOND FLOOR PLAN

531 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
860-589-8257

SIDE-C



MAIN HOUSE:
THIRD FLOOR PLAN

C = CLOSET EVALUATED
WITH ADJACENT ROOM

NOT TO SCALE

SIDE-A (STREET SIDE)

SHEET NO.

FP-4

SHEET 4 OF 6



EAGLE ENVIRONMENTAL, INC.

DATE: 3/2/10
PROJECT NO.: 10-049.10
DRAWN BY: MR
REVIEWED BY: CL

PRE-RENOVATION HAZARDOUS BUILDING MATERIALS INSPECTION
TRACY LEWIS HOUSE
35-37 WOLFE AVENUE, BEACON FALLS, CONNECTICUT
MAIN HOUSE: THIRD FLOOR PLAN

531 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
860-589-8257

SIDE-C

ROOF 4

VENT.
TYP.

ROOF 1

SIDE-B

ROOF 3

ROOF 2

SIDE-D

CHIMNEY,
TYP.

ROOF 5

MAIN HOUSE ROOF PLAN

NOT TO SCALE

SIDE-A (STREET SIDE)

SHEET NO.

FP-5

SHEET 5 OF 6



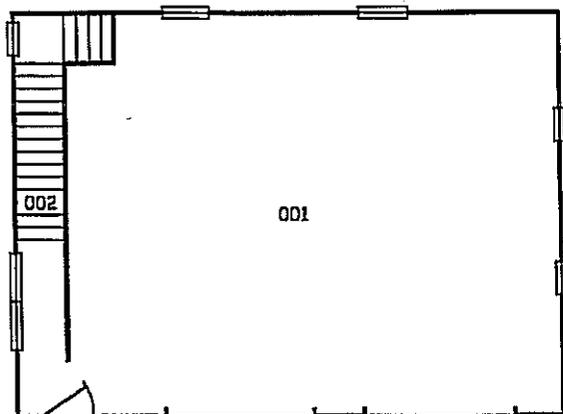
EAGLE ENVIRONMENTAL, INC.

DATE: 3/2/10
PROJECT NO.: 10-049.10
DRAWN BY: MR
REVIEWED BY: CL

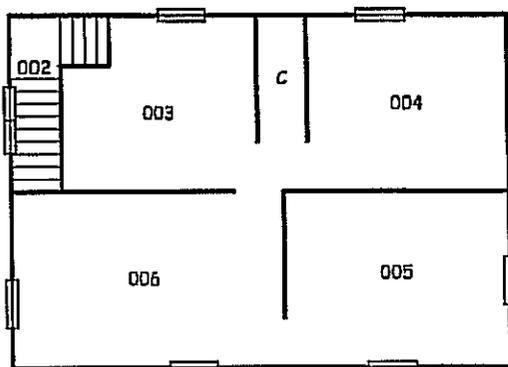
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BRISTOL, CONNECTICUT 06010
860-589-8257

PRE-RENOVATION HAZARDOUS BUILDING MATERIALS INSPECTION
TRACY LEWIS HOUSE
35-37 WOLFE AVENUE, BEACON FALLS, CONNECTICUT
MAIN HOUSE: ROOF PLAN

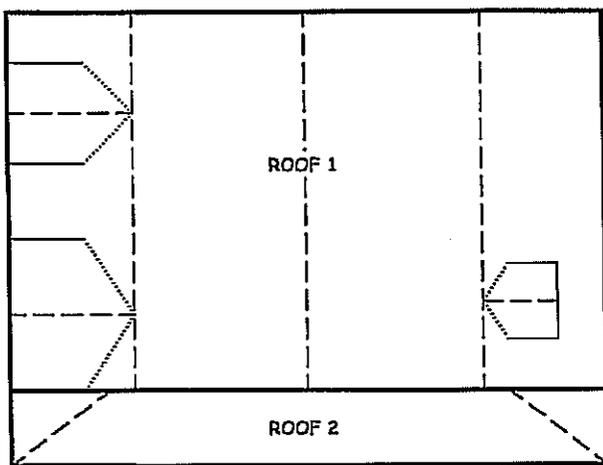
SIDE-C



FIRST FLOOR PLAN



SECOND FLOOR PLAN



ROOF PLAN

CARRIAGE HOUSE

C = CLOSET EVALUATED WITH ADJACENT ROOM

NOT TO SCALE

SIDE-A (STREET SIDE)

SHEET NO.

FP-6

SHEET 6 OF 6



EAGLE ENVIRONMENTAL, INC.

DATE: 3/2/10
 PROJECT NO.: 10-049.10
 DRAWN BY: MR
 REVIEWED BY: CL

PRE-RENOVATION HAZARDOUS BUILDING MATERIALS INSPECTION
 TRACY LEWIS HOUSE
 35-37 WOLFE AVENUE, BEACON FALLS, CONNECTICUT
 CARRIAGE HOUSE PLANS

531 NORTH MAIN STREET
 BRISTOL, CONNECTICUT 06010
 860-589-8257

031004823



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(866) 448-3675
(212) 290-0058 Fax

EMSL - NJ
107 Haddon Avenue
Westmont, NJ 08108
(800) 220-3675
(856) 858-4960 Fax

Your Name:

Brandy LeBlanc

Project Manager: Ray Folino

Company:

Eagle Environmental, Inc.

Street:

531 North Main Street

City/State/Zip:

Bristol, CT 06010

Phone:

860-589-8257 ext. 203

Fax: 860-585-7034

Email: halasa@eagleenviro.com, ghowall@eagleenviro.com
bleblanc@eagleenviro.com

Project Name:

Pre-Reno Haz Inspection

Project #: 10-049.10

Project Location:

35-37 Wolfe Ave. Main House/ Beacon Falls, CT

Project State (US):

CT

TURNAROUND TIME

- 3 Hours
- 6 Hours
- 24 Hours
- 48 Hours
- 72 Hours
- 4 Days
- 5 Days
- 6-10 Days

SAMPLE MATRIX

- Air
- Bulk
- Soil
- Wipe
- Micro-Vac
- Drinking Water
- Wastewater
- Chips
- Other

ASBESTOS ANALYSIS

- PCM - Air**
- NIOSH 7400 (A) Issue 2: August 1994
 - OSHA w/TWA
- TEM AIR**
- AHERA 40 CFR, Part 763 Subpart E
 - NIOSH 7402 Issue 2
 - EPA Level II
- PLM - Bulk**
- EPA 500/R-93/116
 - NY Stratified Point Count
 - California Air Resource Board (CARB) 435
 - NIOSH 9002
 - PLM NOB (Gravimetric) NYS 198.4
 - EPA Point Count (400 Points)
 - EPA Point Count (1,000 Points)
 - Standard Addition Point Count
- SOILS**
- EPA Protocol Qualitative
 - EPA Protocol Quantitative
 - EMSL MSD 9000 Method fibers/gram
 - Superfund EPA 540-R097-028 (dust generation)
- TEM BULK**
- Drop Mount (Qualitative)
 - Chatfield SOP:1988-02
 - TEM NOB (Gravimetric) NY 190.4
- TEM MICROVAC**
- ASTM D 5755-95 (Quantitative)
- TEM WIPE**
- ASTM D-6480-99
 - Qualitative
- TEM WATER**
- EPA 100.1
 - EPA 100.2
 - NYS 198.2
 - Other

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LEAD ANALYSIS

- Flame Atomic Absorption**
- Wipe, SW846-7420 ASTM non ASTM
 - Soil, SW846-7420
 - Air, NIOSH 7002
 - Chips, SW846-7420 or ADAC 5.009 (974.02)
 - Wastewater, SW 846-7420
 - TCLP LEAD SW846-1311/7420
- Graphite Furnace Atomic Absorption**
- Air, NIOSH 7105
 - Wastewater, SW846-7421
 - Soil, SW846-7421
 - Drinking Water, EPA 239.2
- ICP - Inductively Coupled Plasma**
- Wipe, SW846-6010 ASTM non ASTM
 - Soil, SW846-6010
 - Air, NIOSH 7300

MATERIALS ANALYSIS

- Full Particle Identification
- Optical Particle Identification
- Dust Mites and Insect Fragments
- Particle Size & Distribution
- Product Comparison
- Paint Characterization
- Failure Analysis
- Corrosion Analysis
- Glove Box Containment Study
- Petrographic Examination of Concrete
- Portland Cement in Workplace Atmospheres (OSHA ID-143)
- Man Made Vitreous Fibers - MMVF's
- Synthetic Fiber Identification
- Other

MICROBIAL ANALYSIS

- Air Samples**
- Mold & Fungi by Air O Cell
 - Mold & Fungi by Agar Plate count & Id
 - Bacterial Count and Gram Stain
 - Bacterial Count and Identification
- Water Samples**
- Total Coliforms, Fecal Coliforms
 - Escherichia Coli, Fecal Streptococcus
 - Legionella
 - Salmonella
 - Giardia and Cryptosporidium
- Wipe and Bulk Samples**
- Mold & Fungi - Direct Examination
 - Mold & Fungi - (Culture follow up to direct examination if necessary)
 - Mold & Fungi - Culture (Count & ID)
 - Mold & Fungi - Culture (Count only)
 - Bacterial Count & Gram Stain
 - Bacterial Count & Identification (3 most prominent types)
 - Other

IAQ ANALYSIS

- Nuisance Dust (NIOSH 0500 & 0500)
- Airborne Dust (PM10, TSP)
- Silica Analysis by XRD NIOSH 7500
- HVAC Efficiency
- Carbon Black
- Airborne Oil Mists
- Other

RECEIVED MAR - 2 2010 9:14am

Additional Information/Comments/Instructions: **PLEASE STOP ON 1ST POSITIVE WITHIN SETS

| Client Sample # (S) | 2-26-AH-01 | 2-26-AH-106 | TOTAL SAMPLE # | 106 |
|---------------------|----------------|--------------|----------------|-----|
| Relinquished: | Aaron Hatcher | Date: 3/1/10 | Time: 8am | |
| Received: | Genelle Howell | Date: 3/1/10 | Time: | |
| Relinquished: | Genelle Howell | Date: 3/1/10 | Time: 5pm | |
| Received: | Katy Cox | Date: 3/2/10 | Time: 9:14am | |

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 Westmont, NJ 08108
 (800) 220-3675
 (856) 858-4960 Fax

| SAMPLE NUMBER | SAMPLE DESCRIPTION | LOCATION | VOLUME Air (L) | Area (Inches sq.) |
|---------------|--|----------|----------------|-------------------|
| 2-26-AH-48 | Blk mastic assoc. w/ floor tile on conc. | Room 004 | 5% chrys | |
| 2-26-AH-49 | Blk mastic assoc. w/ floor tile on conc. | Room 027 | DNA | |
| 2-26-AH-50 | Plaster skim coat | Room 005 | NAD | |
| 2-26-AH-51 | Plaster skim coat | Room 006 | | |
| 2-26-AH-52 | Plaster skim coat | Room 007 | | |
| 2-26-AH-53 | Plaster skim coat | Room 015 | | |
| 2-26-AH-54 | Plaster skim coat | Room 019 | | |
| 2-26-AH-55 | Plaster rough coat | Room 005 | | |
| 2-26-AH-56 | Plaster rough coat | Room 006 | | |
| 2-26-AH-57 | Plaster rough coat | Room 007 | | |
| 2-26-AH-58 | Plaster rough coat | Room 015 | | |
| 2-26-AH-59 | Plaster rough coat | Room 019 | | |
| 2-26-AH-60 | White skim coat on concrete walls | Room 005 | | |
| 2-26-AH-61 | White skim coat on concrete walls | Room 005 | | |
| 2-26-AH-62 | White skim coat on concrete walls | Room 005 | | |
| 2-26-AH-63 | Bottom layer brown felt paper on wood | Room 006 | | |
| 2-26-AH-64 | Bottom layer brown felt paper on wood | Room 006 | | |
| 2-26-AH-65 | 4 th layer grey floor tile | Room 006 | | |
| 2-26-AH-66 | 4 th layer grey floor tile | Room 006 | | |
| 2-26-AH-67 | Brown adhesive assoc. w/ grey floor tile | Room 006 | | |
| 2-26-AH-68 | Brown adhesive assoc. w/ grey floor tile | Room 006 | | |
| 2-26-AH-69 | 3 rd layer self stick VSF on wood | Room 006 | | |
| 2-26-AH-70 | 3 rd layer self stick VSF on wood | Room 006 | | |
| 2-26-AH-71 | 2 nd layer grey levelastic on VSF | Room 006 | | |
| 2-26-AH-72 | 2 nd layer grey levelastic on VSF | Room 006 | | |

Handwritten marks on the left margin: a large curly bracket grouping rows 48-54, and several 'S' characters next to rows 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72.

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 Westmont, NJ 08108
 (800) 220-3675
 (856) 858-4960 Fax

| SAMPLE NUMBER | SAMPLE DESCRIPTION | LOCATION | VOLUME Air (L) | Area (Inches sq.) |
|---------------|---|----------|--|-------------------|
| 2-26-AH-73 | Top lyr. beige w/ gm square pattern VSF | Room 008 | N/A | |
| 2-26-AH-74 | Top lyr. beige w/ gm square pattern VSF | Room 008 | | |
| 2-26-AH-75 | White adhesive assoc. w/ VSF | Room 008 | | |
| 2-26-AH-76 | White adhesive assoc. w/ VSF | Room 008 | | |
| 2-26-AH-77 | Brown panel adhesive | Room 006 | | |
| 2-26-AH-78 | Brown panel adhesive | Room 006 | | |
| 2-26-AH-79 | Gray vapor paper under hardwood floor | Room 006 | | |
| 2-26-AH-80 | Gray vapor paper under hardwood floor | Room 007 | | |
| 2-26-AH-81 | Popcorn textured ceiling paint | Room 009 | | |
| 2-26-AH-82 | Popcorn textured ceiling paint | Room 011 | | |
| 2-26-AH-83 | Popcorn textured ceiling paint | Room 016 | | |
| 2-26-AH-84 | Gray ceramic thinset adhesive | Room 014 | | |
| 2-26-AH-85 | Gray ceramic thinset adhesive | Room 017 | | |
| 2-26-AH-86 | Dark brown panel adhesive | Room 018 | | |
| 2-26-AH-87 | Dark brown panel adhesive | Room 018 | | |
| 2-26-AH-88 | 1'x1' ornate pattern ACT | Room 019 | | |
| 2-26-AH-89 | 1'x1' ornate pattern ACT | Room 021 | | |
| 2-26-AH-90 | Tan ceramic tile adhesive | Room 022 | | |
| 2-26-AH-91 | Tan ceramic tile adhesive | Room 024 | | |
| 2-26-AH-92 | Ceramic tile grout | Room 022 | 210 hrs | |
| 2-26-AH-93 | Ceramic tile grout | Room 024 | DNA | |
| 2-26-AH-94 | Light textured ceiling paint | Room 025 | RECEIVED MAR - 2 2010 <i>V. G. HAN</i> | |
| 2-26-AH-95 | Light textured ceiling paint | Room 027 | | |
| 2-26-AH-96 | Light textured ceiling paint | Room 028 | | |
| | ACCEPT | | | |

FOR ANALYSIS @

E SLMANHATTAN



EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

Phone: (212) 290-0051 Fax: (212) 290-0058 Email: manhattanlab@emsl.com

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010

Customer ID: **EEVM50**
Customer PO:
Received: **03/02/10 9:14 AM**
EMSL Order: **031004823**

Fax: (860) 585-7034 Phone: (860) 589-8257
Project: **10-049.10/ PRE-RENO HAZ INSPECTION/ 35-37 WOLFE**
AVE. - MAIN HOUSE/ BEACON FALLS, CT

EMSL Proj:
Analysis Date: **3/8/2010**

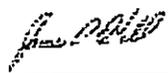
Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|----------------------------------|---------------|-------------------------|----------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-01 031004823-0001 | GREEN AND BLACK ASPHALT SHINGLES/ ROOF 1 | Gray/Black Fibrous Heterogeneous | 15% Glass | 85% Non-fibrous (other) | None Detected |
| 2-26-AH-02 031004823-0002 | GREEN AND BLACK ASPHALT SHINGLES/ ROOF 3 | Gray/Black Fibrous Heterogeneous | 20% Glass | 80% Non-fibrous (other) | None Detected |
| 2-26-AH-03 031004823-0003 | BLACK FELT PAPER ON WOOD/ ROOF 1 | Black Fibrous Heterogeneous | 70% Cellulose | 30% Non-fibrous (other) | None Detected |
| 2-26-AH-04 031004823-0004 | BLACK FELT PAPER ON WOOD/ ROOF 3 | Black Fibrous Heterogeneous | 70% Cellulose | 30% Non-fibrous (other) | None Detected |
| 2-26-AH-05 031004823-0005 | BLACK FLASHING CEMENT AT CHIMNEY/ ROOF 1 | Black Non-Fibrous Homogeneous | | 90% Non-fibrous (other) | 10% Chrysotile |
| 2-26-AH-06 031004823-0006 | BLACK FLASHING CEMENT AT CHIMNEY/ ROOF 2 | | | | Not Analyzed |

POSITIVE STOP

Analyst(s)

Williams John (98)


James Hall, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. 307 West 38th Street, New York NY 10018-ALP, LLC-IHLAP Lab 102501, NVLAP Lab Code 101046-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AAC00170



EMSL Analytical, Inc.

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Customer ID: EEVM50
Customer PO:
Received: 03/02/10 9:14 AM
EMSL Order: 031004823

Fax (860) 585-7034 Phone: (860) 589-8257
Project: 10-049.10/ PRE-RENO HAZ INSPECTION/ 36-37 WOLFE
AVE. - MAIN HOUSE/ BEACON FALLS, CT

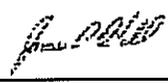
EMSL Proj:
Analysis Date: 3/6/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|--|---------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-07 031004823-0007 | ONE PLY BUILT UP ROOFING ON WOOD/ ROOF 2 | Black Fibrous Heterogeneous | 20% Synthetic | 80% Non-fibrous (other) | None Detected |
| 2-26-AH-08 031004823-0008 | ONE PLY BUILT UP ROOFING ON WOOD/ ROOF 2 | Black Fibrous Heterogeneous | 20% Synthetic | 80% Non-fibrous (other) | None Detected |
| 2-26-AH-09 031004823-0009 | TAN VAPOR PAPER UNDER WOOD SHINGLE/ FAÇADE A | Brown Fibrous Homogeneous | 95% Cellulose | 5% Non-fibrous (other) | None Detected |
| 2-26-AH-10 031004823-0010 | TAN VAPOR PAPER UNDER WOOD SHINGLE/ FAÇADE B | Brown Fibrous Homogeneous | 95% Cellulose | 5% Non-fibrous (other) | None Detected |
| 2-26-AH-11 031004823-0011 | WHITE WOOD WINDOW GLAZING COMPOUND/ FAÇADE A | Gray/Tan Non-Fibrous Heterogeneous | 3% Cellulose | 50% Ca Carbonate 47% Non-fibrous (other) | None Detected |
| 2-26-AH-12 031004823-0012 | WHITE WOOD WINDOW GLAZING COMPOUND/ FAÇADE A | Gray/Tan Non-Fibrous Heterogeneous | <1% Cellulose | 40% Ca Carbonate 60% Non-fibrous (other) | None Detected |

Analyst(s)

Williams John (98)


James Hall, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. This above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. 307 West 38th Street, New York NY 10018-1106, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170



EMSL Analytical, Inc.

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**Attn: Brandy LeBlanc
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**Fax: (860) 586-7034 Phone: (860) 589-8257
Project: 10-049.10/ PRE-RENO HAZ INSPECTION/ 35-37 WOLFE
AVE. - MAIN HOUSE/ BEACON FALLS, CT**

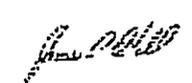
**Customer ID: EEVM50
Customer PO:
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EMSL Order: 031004823
EMSL Proj:
Analysis Date: 3/6/2010**

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using
Polarized Light Microscopy**

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|---|--------------------|---|------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-13 031004823-0013 | CLEAR BASEMENT WINDOW CASING CAULK/ FAÇADE A | Brown/Clear Non-Fibrous Heterogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-14 031004823-0014 | CLEAR BASEMENT WINDOW CASING CAULK/ FAÇADE D | Gray/Clear Non-Fibrous Heterogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-15 031004823-0015 | STORM WINDOW WHITE CAULK/ FAÇADE A | Tan Non-Fibrous Heterogeneous | 2% Fibrous (other) | 40% Ca Carbonate 55% Non-fibrous (other) | 3% Anthophyllite |
| 2-26-AH-16 031004823-0016 | STORM WINDOW WHITE CAULK/ FAÇADE A | | | | Not Analyzed |
| POSITIVE STOP | | | | | |
| 2-26-AH-17 031004823-0017 | BOILER ROPE GASKET AT RIBS/ ROOM 001 | Brown/White Fibrous Heterogeneous | 50% Glass | 50% Non-fibrous (other) | None Detected |
| 2-26-AH-18 031004823-0018 | BOILER ROPE GASKET AT RIBS/ ROOM 001 | White Fibrous Homogeneous | 100% Glass | | None Detected |

Analyst(s)

Williams John (98)


James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 307 West 38th Street, New York NY 10018-1101, NVLAP Lab Code 101048-B, NYS ELAP 11598, NJ NYC22, CT PH-0170, MA AA000170



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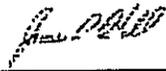
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|------------------------------------|---------------------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-20 031004823-0019 | YELLOW GASKET AT BURNER GUN/ ROOM 001 | Brown/Yellow Fibrous Heterogeneous | 75% Glass | 25% Non-fibrous (other) | None Detected |
| 2-26-AH-21 031004823-0020 | YELLOW GASKET AT BURNER GUN/ ROOM 001 | Tan Fibrous Heterogeneous | 50% Cellulose 5% Glass | 20% Ca Carbonate 25% Non-fibrous (other) | None Detected |
| 2-26-AH-22 031004823-0021 | GRAY CHIMNEY FLUE CEMENT/ ROOM 001 | Gray Non-Fibrous Heterogeneous | 15% Wollastonite | 85% Non-fibrous (other) | None Detected |
| 2-26-AH-23 031004823-0022 | GRAY CHIMNEY FLUE CEMENT/ ROOM 001 | Gray Non-Fibrous Heterogeneous | 10% Wollastonite | 90% Non-fibrous (other) | None Detected |
| 2-26-AH-24 031004823-0023 | ROUGH COAT PLASTER ON WOOD LATHE/ ROOM 001 | Tan Non-Fibrous Heterogeneous | 3% Hair | 50% Non-fibrous (other) 45% Quartz | 2% Chrysotile |
| 2-26-AH-25 031004823-0024 | ROUGH COAT PLASTER ON WOOD LATHE/ ROOM 001 | | | | Not Analyzed |

POSITIVE STOP

Analyst(s)
Williams John (98)


James Hall, Laboratory Manager
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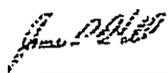
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Analysis Date: **3/8/2010**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|---|---------------|---------------------------------------|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-28 031004823-0025 | ROUGH COAT PLASTER ON WOOD LATHE/ ROOM 001 | | | | Not Analyzed |
| POSITIVE STOP | | | | | |
| 2-26-AH-27 031004823-0026 | GRAY SHEETROCK/ ROOM 001 | Brown/Tan Non-Fibrous Heterogeneous | 15% Cellulose | 50% Gypsum 35% Non-fibrous (other) | None Detected |
| 2-26-AH-28 031004823-0027 | GRAY SHEETROCK/ ROOM 001 | Brown/Tan Non-Fibrous Heterogeneous | 15% Cellulose | 50% Gypsum 35% Non-fibrous (other) | None Detected |
| 2-26-AH-29 031004823-0028 | WHITE SKIM COAT AT ORIGINAL CHIMNEY FLUE/ ROOM 001 | Brown Fibrous Heterogeneous | 30% Glass | 70% Non-fibrous (other) | None Detected |
| 2-26-AH-30 031004823-0029 | WHITE SKIM COAT AT ORIGINAL CHIMNEY FLUE/ ROOM 001 | Brown Fibrous Heterogeneous | 35% Glass | 65% Non-fibrous (other) | None Detected |
| 2-26-AH-31 031004823-0030 | WHITE SHEETROCK/ ROOM 002 | Brown/Tan Non-Fibrous Heterogeneous | 20% Cellulose | 40% Gypsum 40% Non-fibrous (other) | None Detected |

Analyst(s)

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James Hall, Laboratory Manager
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AVE. - MAIN HOUSE/ BEACON FALLS, CT

EMSL Proj:
Analysis Date: 3/8/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|---|----------------------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-32 031004823-0031 | WHITE SHEETROCK/ ROOM 003 | Tan Non-Fibrous Heterogeneous | 5% Cellulose | 60% Gypsum 35% Non-fibrous (other) | None Detected |
| 2-26-AH-33 031004823-0032 | JOINT COMPOUND/ ROOM 002 | White Non-Fibrous Homogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-34 031004823-0033 | JOINT COMPOUND/ ROOM 002 | White Non-Fibrous Homogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-35 031004823-0034 | JOINT COMPOUND/ ROOM 004 | White Non-Fibrous Homogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-36 031004823-0035 | SHEETROCK/ JOINT COMPOUND COMPOSITE/ ROOM 002 | Brown/White Non-Fibrous Heterogeneous | 10% Cellulose | 50% Gypsum 40% Non-fibrous (other) | None Detected |
| 2-26-AH-37 031004823-0036 | SHEETROCK/ JOINT COMPOUND COMPOSITE/ ROOM 003 | Brown/White Non-Fibrous Heterogeneous | 15% Cellulose <1% Glass | 50% Gypsum 35% Non-fibrous (other) | None Detected |

Analyst(s)

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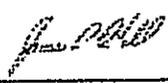
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Analysis Date: 3/6/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|---|----------------------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-38 031004823-0037 | 2'X4' ACT HOLE & FISSURE/ ROOM 002 | Brown/White Fibrous Heterogeneous | 45% Cellulose 15% Glass | 20% Non-fibrous (other) 20% Perlite | None Detected |
| 2-26-AH-39 031004823-0038 | 2'X4' ACT HOLE & FISSURE/ ROOM 002 | Brown/White Fibrous Heterogeneous | 50% Cellulose 10% Glass | 20% Non-fibrous (other) 20% Perlite | None Detected |
| 2-26-AH-40 031004823-0039 | 4" GRAY VINYL COVE BASE/ ROOM 003 | Gray Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-41 031004823-0040 | 4" GRAY VINYL COVE BASE/ ROOM 003 | Gray Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-42 031004823-0041 | TAN ADHESIVE ASSOC. W/ VINYL COVE BASE/ ROOM 003 | Yellow Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-43 031004823-0042 | TAN ADHESIVE ASSOC. W/ VINYL COVE BASE/ ROOM 003 | Yellow Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-44 031004823-0043 | WHITE CERAMIC TILE GROUT/ ROOM 003 | Tan Non-Fibrous Heterogeneous | | 25% Ca Carbonate 35% Non-fibrous (other) 40% Quartz | None Detected |

Analyst(s)
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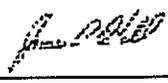
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|---|---------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-45 031004823-0044 | WHITE CERAMIC TILE GROUT/ ROOM 003 | Tan Non-Fibrous Heterogeneous | | 20% Ca Carbonate 30% Non-fibrous (other) 50% Quartz | None Detected |
| 2-26-AH-46 031004823-0045 | WHITE WITH GRAY SPEC 12"X12" FLOOR TILE/ ROOM 004 | White Non-Fibrous Homogeneous | | 30% Ca Carbonate 70% Non-fibrous (other) | None Detected |
| 2-26-AH-47 031004823-0046 | WHITE WITH GRAY SPEC 12"X12" FLOOR TILE/ ROOM 004 | White Non-Fibrous Homogeneous | | 30% Ca Carbonate 70% Non-fibrous (other) | None Detected |
| 2-26-AH-48 031004823-0047 | BLK MASTIC ASSOC. W/ FLOOR TILE ON CONC./ ROOM 004 | Black Non-Fibrous Homogeneous | 10% Cellulose | 85% Non-fibrous (other) | 5% Chrysotile |
| 2-26-AH-49 031004823-0048 | BLK MASTIC ASSOC. W/ FLOOR TILE ON CONC./ ROOM 027 | | | | Not Analyzed |
| POSITIVE STOP | | | | | |
| 2-26-AH-50 031004823-0049 | PLASTER SKIM COAT/ ROOM 005 | Tan/White Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |

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**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using
Polarized Light Microscopy**

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|------------------------------------|---|--------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-51 031004823-0050 | PLASTER SKIM COAT/ ROOM 006 | Tan/White Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-52 031004823-0051 | PLASTER SKIM COAT/ ROOM 007 | Tan/White Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-53 031004823-0052 | PLASTER SKIM COAT/ ROOM 015 | White/Cream Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-54 031004823-0053 | PLASTER SKIM COAT/ ROOM 019 | White Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-55 031004823-0054 | PLASTER ROUGH COAT/ ROOM 005 | Tan Non-Fibrous Heterogeneous | 10% Hair | 40% Non-fibrous (other) 50% Quartz | None Detected |
| 2-26-AH-56 031004823-0055 | PLASTER ROUGH COAT/ ROOM 006 | Tan Non-Fibrous Heterogeneous | 4% Hair | 46% Non-fibrous (other) 50% Quartz | None Detected |
| 2-26-AH-57 031004823-0056 | PLASTER ROUGH COAT/ ROOM 007 | Gray/Tan Non-Fibrous Heterogeneous | 3% Hair | 47% Non-fibrous (other) 50% Quartz | None Detected |

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|------------------------------|---|--|---------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-58 031004823-0057 | PLASTER ROUGH COAT/ ROOM 015 | Gray/White Non-Fibrous Heterogeneous | 2% Hair | 48% Non-fibrous (other) 50% Quartz | None Detected |
| 2-26-AH-59 031004823-0058 | PLASTER ROUGH COAT/ ROOM 019 | Brown Non-Fibrous Heterogeneous | 8% Hair | 42% Non-fibrous (other) 50% Quartz | None Detected |
| 2-26-AH-60 031004823-0059 | WHITE SKIM COAT ON CONCRETE WALLS/ ROOM 005 | Tan/White Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-61 031004823-0060 | WHITE SKIM COAT ON CONCRETE WALLS/ ROOM 005 | Tan/White Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-62 031004823-0061 | WHITE SKIM COAT ON CONCRETE WALLS/ ROOM 005 | Tan/White Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-63 031004823-0062 | BOTTOM LAYER BROWN FELT PAPER ON WOOD/ ROOM 006 | Brown/Black Fibrous Heterogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |

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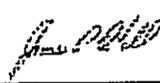
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| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|---|---------------------------|--------------------------|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-64 031004823-0063 | BOTTOM LAYER BROWN FELT PAPER ON WOOD/ ROOM 006 | Brown/Black Fibrous Heterogeneous | 70% Cellulose | 30% Non-fibrous (other) | None Detected |
| 2-26-AH-65 031004823-0064 | 4TH LAYER GRAY FLOOR TILE/ ROOM 006 | Gray Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-66 031004823-0065 | 4TH LAYER GRAY FLOOR TILE/ ROOM 006 | Gray Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-67 031004823-0066 | BROWN ADHESIVE ASSOC. W/ GRAY FLOOR TILE/ ROOM 006 | Brown Non-Fibrous Heterogeneous | 5% Cellulose | 95% Non-fibrous (other) | None Detected |
| 2-26-AH-68 031004823-0067 | BROWN ADHESIVE ASSOC. W/ GRAY FLOOR TILE/ ROOM 006 | Brown Non-Fibrous Heterogeneous | 2% Cellulose | 98% Non-fibrous (other) | None Detected |
| 2-26-AH-69 031004823-0068 | 3RD LAYER SELF STICK VSF ON WOOD/ ROOM 006 | White/Cream Fibrous Heterogeneous | 20% Cellulose 5% Glass | 75% Non-fibrous (other) | None Detected |

Analys(s)

Williams John (98)


James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 307 West 38th Street, New York NY 10018-ALHA-LAP, LLC-IHLAP Lab 102501, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AAD00170



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Project: 10-049.10/ PRE-RENO HAZ INSPECTION/ 36-37 WOLFE
AVE. - MAIN HOUSE/ BEACON FALLS, CT

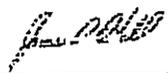
EMSL Proj:
Analysis Date: 3/6/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|--------------------------------------|---------------------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-70 031004823-0060 | 3RD LAYER SELF STICK VSF ON WOOD/ ROOM 008 | White/Cream Fibrous Heterogeneous | 20% Cellulose 5% Glass | 75% Non-fibrous (other) | None Detected |
| 2-26-AH-71 031004823-0070 | 2ND LAYER GRAY LEVELASTIC ON VSF/ ROOM 006 | Gray/White Non-Fibrous Heterogeneous | 2% Cellulose | 40% Ca Carbonate 58% Non-fibrous (other) | None Detected |
| 2-26-AH-72 031004823-0071 | 2ND LAYER GRAY LEVELASTIC ON VSF/ ROOM 006 | Gray Non-Fibrous Heterogeneous | | 40% Ca Carbonate 60% Non-fibrous (other) | None Detected |
| 2-26-AH-73 031004823-0072 | TOP LYR. BEIGE W/ GRN SQUARE PATTERN VSF/ ROOM 008 | Gray/Green Fibrous Heterogeneous | 15% Cellulose 3% Glass | 82% Non-fibrous (other) | None Detected |
| 2-26-AH-74 031004023-0073 | TOP LYR. BEIGE W/ GRN SQUARE PATTERN VSF/ ROOM 006 | Gray/Green Fibrous Heterogeneous | 15% Cellulose 2% Glass | 83% Non-fibrous (other) | None Detected |
| 2-26-AH-75 031004823-0074 | WHITE ADHESIVE ASSOC. W/ VSF/ ROOM 006 | Gray/White Non-Fibrous Heterogeneous | | 20% Ca Carbonate 80% Non-fibrous (other) | None Detected |

Analyst(s)

Williams John (98)


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Project: 10-049.10/ PRE-RENO HAZ INSPECTION/ 36-37 WOLFE
AVE. - MAIN HOUSE/ BEACON FALLS, CT

EMSL Proj:
Analysis Date: 3/8/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|---|---|--------------------------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-76 031004823-0075 | WHITE ADHESIVE ASSOC. W/ VSF/ ROOM 006 | Gray/White Non-Fibrous Heterogeneous | | 30% Ca Carbonate 70% Non-fibrous (other) | None Detected |
| 2-26-AH-77 031004823-0076 | BROWN PANEL ADHESIVE/ ROOM 006 | Brown/White Non-Fibrous Heterogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-78 031004823-0077 | BROWN PANEL ADHESIVE/ ROOM 006 | Brown/White Non-Fibrous Heterogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-79 031004823-0078 | GRAY VAPOR PAPER UNDER HARDWOOD FLOOR/ ROOM 008 | Brown Fibrous Homogeneous | 60% Cellulose 25% Synthetic | 15% Non-fibrous (other) | None Detected |
| 2-26-AH-80 031004823-0079 | GRAY VAPOR PAPER UNDER HARDWOOD FLOOR/ ROOM 007 | Brown Fibrous Homogeneous | 70% Cellulose 20% Synthetic | 10% Non-fibrous (other) | None Detected |
| 2-26-AH-81 031004823-0080 | POPCORN TEXTURED CEILING PAINT/ ROOM 009 | White Non-Fibrous Heterogeneous | | 40% Ca Carbonate 60% Non-fibrous (other) | None Detected |

Analyst(s)

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AVE. - MAIN HOUSE/ BEACON FALLS, CT

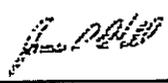
EMSL Proj:
Analysis Date: 3/6/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|---|--|--------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-82 031004823-0081 | POPCORN TEXTURED CEILING PAINT/ ROOM 011 | White Non-Fibrous Heterogeneous | | 60% Ca Carbonate 40% Non-fibrous (other) | None Detected |
| 2-26-AH-83 031004823-0082 | POPCORN TEXTURED CEILING PAINT/ ROOM 016 | White Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-84 031004823-0083 | GRAY CERAMIC THIN SET ADHESIVE/ ROOM 014 | Beige Non-Fibrous Heterogeneous | | 20% Ca Carbonate 60% Non-fibrous (other) 20% Quartz | None Detected |
| 2-26-AH-85 031004823-0084 | GRAY CERAMIC THIN SET ADHESIVE/ ROOM 017 | Gray/White Non-Fibrous Heterogeneous | | 20% Ca Carbonate 50% Non-fibrous (other) 30% Quartz | None Detected |
| 2-26-AH-86 031004823-0085 | DARK BROWN PANEL ADHESIVE/ ROOM 018 | Brown Non-Fibrous Heterogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-87 031004823-0086 | DARK BROWN PANEL ADHESIVE/ ROOM 018 | Brown Non-Fibrous Heterogeneous | | 100% Non-fibrous (other) | None Detected |

Analys(s)

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James Hall, Laboratory Manager
or other approved signatory

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AVE. - MAIN HOUSE/ BEACON FALLS, CT

EMSL Proj:
Analysis Date: 3/6/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|---|----------------------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-88 031004023-0088 | 1'X1' ORNATE PATTERN ACT/ ROOM 019 | Tan/White Fibrous Heterogeneous | 45% Cellulose 15% Glass | 20% Non-fibrous (other) 20% Perlite | None Detected |
| 2-26-AH-89 031004823-0089 | 1'X1' ORNATE PATTERN ACT/ ROOM 021 | Tan/White Fibrous Heterogeneous | 45% Cellulose 15% Glass | 20% Non-fibrous (other) 20% Perlite | None Detected |
| 2-26-AH-90 031004023-0090 | TAN CERAMIC TILE ADHESIVE/ ROOM 022 | Yellow Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-91 031004023-0091 | TAN CERAMIC TILE ADHESIVE/ ROOM 024 | Yellow Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-26-AH-92 031004023-0092 | CERAMIC TILE GROUT/ ROOM 022 | White Non-Fibrous Heterogeneous | | 60% Ca Carbonate 38% Non-fibrous (other) | 2% Chrysotile |
| 2-26-AH-93 031004823-0093 | CERAMIC TILE GROUT/ ROOM 024 | | | | Not Analyzed |
| POSITIVE STOP | | | | | |
| 2-26-AH-94 031004823-0094 | LIGHT TEXTURED CEILING PAINT/ ROOM 025 | White/Tan Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |

Analyst(s)

Williams John (98)

James Hall, Laboratory Manager
or other approved signatory

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Project: 10-049.10/ PRE-RENO HAZ INSPECTION/ 35-37 WOLFE
AVE. - MAIN HOUSE/ BEACON FALLS, CT

EMSL Proj:
Analysis Date: 3/6/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|-------------------------------|---|-------------------------------------|--------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-95 031004823-0094 | LIGHT TEXTURED CEILING PAINT/ ROOM 027 | Tan/White Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-96 031004823-0095 | LIGHT TEXTURED CEILING PAINT/ ROOM 028 | Tan/White Non-Fibrous Heterogeneous | | 50% Ca Carbonate 50% Non-fibrous (other) | None Detected |
| 2-26-AH-97 031004823-0096 | YELLOW CARPET ADHESIVE/ ROOM 026 | Brown Non-Fibrous Heterogeneous | 3% Cellulose | 97% Non-fibrous (other) | None Detected |
| 2-26-AH-98 031004823-0097 | YELLOW CARPET ADHESIVE/ ROOM 032 | Brown Non-Fibrous Heterogeneous | 4% Cellulose | 96% Non-fibrous (other) | None Detected |
| 2-26-AH-99 031004823-0098 | WHITE WITH BROWN STRIP 9"X8" FLOOR TILE/ ROOM 027 | White Non-Fibrous Homogeneous | | 10% Ca Carbonate 87% Non-fibrous (other) | 3% Chrysotile |
| 2-26-AH-100 031004823-0099 | WHITE WITH BROWN STRIP 9"X8" FLOOR TILE/ ROOM 027 | | | | Not Analyzed |

POSITIVE STOP

Analyst(s)

Williams John (98)

James Hall, Laboratory Manager
or other approved signatory

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EMSL Proj:
Analysis Date: 3/6/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|-------------------------------|--|---------------------------------------|---------------------------|-------------------------|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-101 031004823-0100 | BEIGE FLOWER PATTERN VINYL SHEET FLOOR/ ROOM 028 | Cream Fibrous Heterogeneous | 30% Cellulose 3% Glass | 67% Non-fibrous (other) | None Detected |
| 2-26-AH-102 031004823-0101 | BEIGE FLOWER PATTERN VINYL SHEET FLOOR/ ROOM 028 | Cream Fibrous Heterogeneous | 20% Cellulose 3% Glass | 77% Non-fibrous (other) | None Detected |
| 2-26-AH-103 031004823-0102 | TAN ADHESIVE ASSOC. W/ VINYL SHEET FLOOR/ ROOM 028 | Brown Non-Fibrous Heterogeneous | 3% Cellulose | 97% Non-fibrous (other) | None Detected |
| 2-26-AH-104 031004823-0103 | TAN ADHESIVE ASSOC. W/ VINYL SHEET FLOOR/ ROOM 028 | Brown Non-Fibrous Heterogeneous | 2% Cellulose | 98% Non-fibrous (other) | None Detected |
| 2-26-AH-105 031004823-0104 | GRAY BATTLESHIP LINOLEUM/ ROOM 034 | Brown/Gray Fibrous Homogeneous | 95% Cellulose | 5% Non-fibrous (other) | None Detected |
| 2-26-AH-106 031004823-0105 | GRAY BATTLESHIP LINOLEUM/ ROOM 034 | Brown/Gray Fibrous Homogeneous | 90% Cellulose | 10% Non-fibrous (other) | None Detected |

Analyst(s)

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AVE. - MAIN HOUSE/ BEACON FALLS, CT

EMSL Proj:
Analysis Date: **3/6/2010**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--------|-------------|------------|--------------|---------------|----------|
| | | | % Fibrous | % Non-Fibrous | % Type |

Analyst(s)

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031004822



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Project Name: Pre-Reno Haz Inspection **Project #:** 10-049.10

Project Location: 35-37 Wolfe Ave. - Carriage House/ Beacon Falls, CT **Project State (US):** CT

TURNAROUND TIME

3 Hours
 6 Hours
 24 Hours
 48 Hours
 72 Hours
 4 Days
 5 Days
 6-10 Days

SAMPLE MATRIX

Air
 Bulk
 Soil
 Wipe
 Micro-Vac
 Drinking Water
 Wastewater
 Chips
 Other

ASBESTOS ANALYSIS

PCM - Air

NIOSH 7400 (A) Issue 2: August 1994

OSHA w/TWA

TEM AIR

AHERA 40 CFR, Part 763 Subpart E

NIOSH 7402 Issue 2

EPA Level II

PLM - Bulk

EPA 600/R-93/116

NY Stratified Point Count

California Air Resource Board (CARB) 435

NIOSH 9802

PLM NOB (Gravimetric) NYS 198.1

EPA Point Count (400 Points)

EPA Point Count (1,000 Points)

Standard Addition Point Count

SOILS

EPA Protocol Qualitative

EPA Protocol Quantitative

EMSL MSD 3000 Method fibers/gram

Superfund EPA 540-R097-02B (dust generation)

TEM BULK

Drop Mount (Qualitative)

Chalfield SOP-1988-02

TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC

ASTM D 5755-95

TEM WIPE

ASTM D-6480-99

Qualitative

TEM WATER

EPA 100.1

EPA 100.2

NYS 198.2

Other:

LEAD ANALYSIS

Flame Atomic Absorption

Wipe, SW846-7420 ASTM non ASTM

Soil, SW846-7420

Air, NIOSH 7082

Chips, SW846-7420 or AOAC 5.009 (974.02)

Wastewater, SW 846-7420

TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption

Air, NIOSH 7105

Wastewater, SW846-7421

Soil, SW846-7421

Drinking Water, EPA 239.2

ICP - Inductively Coupled Plasma

Wipe, SW846-8010 ASTM non ASTM

Soil, SW846-8010

Air, NIOSH 7300

MICROBIAL ANALYSIS

Air Samples

Mold & Fungi by Air O'Cell

Mold & Fungi by Agar Plate count & Id

Bacterial Count and Gram Stain

Bacterial Count and Identification

Water Samples

Total Coliforms, Fecal Coliforms

Escherichia Coli, Fecal Streptococcus

Legionella

Salmonella

Giardia and Cryptosporidium

Wipe and Bulk Samples

Mold & Fungi - Direct Examination

Mold & Fungi - (Culture follow up to direct examination if necessary)

Mold & Fungi - Culture (Count & ID)

Mold & Fungi - Culture (Count only)

Bacterial Count & Gram Stain

Bacterial Count & Identification (3 most prominent types)

Other:

MATERIALS ANALYSIS

Full Particle Identification

Optical Particle Identification

Dust Miles and Insect Fragments

Particle Size & Distribution

Product Comparison

Paint Characterization

Failure Analysis

Corrosion Analysis

Glove Box Containment Study

Petrographic Examination of Concrete

Portland Cement in Workplace Atmospheres (OSHA ID-143)

Man Made Virous Fibers - MMVF's

Synthetic Fiber Identification

Other:

IAQ ANALYSIS

Nuisance Dust (NIOSH 0500 & 0600)

Airborne Dust (PM10, TSP)

Silica Analysis by XRD NIOSH 7500

HVAC Efficiency

Carbon Black

Airborne Oil Mist

Other:

RECEIVED

MAR - 2 2010

BY: 9:15am

Additional Information/Comments/Instructions: ****PLEASE STOP ON 1ST POSITIVE WITHIN SETS**

| Client Sample # (S) | 2-25-AH-107 | 2-25-AH-110 | TOTAL SAMPLE # |
|---------------------|-------------------------|---------------------|----------------------|
| Rollinquished: | <i>Jarvis Hatcher</i> | Date: <i>3/1/10</i> | Time: <i>8am</i> |
| Received: | <i>Genevieve Howell</i> | Date: <i>3/1/10</i> | Time: <i>8pm</i> |
| Rollinquished: | <i>Genevieve Howell</i> | Date: <i>3/1/10</i> | Time: <i>9:15 AM</i> |
| Received: | <i>Kelty Cox</i> | Date: <i>3/2/10</i> | Time: <i>9:15 AM</i> |



EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

Phone: (212) 290-0051 Fax: (212) 290-0050 Email: manhattanlab@emsl.com

**Attn: Brandy LeBlanc
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010**

Customer ID: EEVM50
Customer PO:
Received: 03/02/10 9:15 AM
EMSL Order: 031004822

Fax (860) 585-7034 Phone: (860) 589-8257
Project: 10-049.10/ PRE-RENO HAZ INSPECTION/ 35-37 WOLFE
AVE. - CARRIAGE HOUSE/ BEACON FALLS, CT

EMSL Proj:
Analysis Date: 3/6/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|-------------------------------|--|-------------------------------|---------------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-28-AH-107 031004822-0001 | BLACK AND GRAY ASPHALT SHINGLES/ ROOF 1 | Black Fibrous Homogeneous | 3% Glass | 97% Non-fibrous (other) | None Detected |
| 2-26-AH-108 031004822-0002 | BLACK AND GRAY ASPHALT SHINGLES/ ROOF 1 | Black Fibrous Homogeneous | 3% Glass | 97% Non-fibrous (other) | None Detected |
| 2-26-AH-109 031004822-0003 | WHITE WOOD WINDOW GLAZING COMPOUND/ FAÇADE A | White Non-Fibrous Homogeneous | <1% Fibrous (other) | 60% Ca Carbonate 40% Non-fibrous (other) | None Detected |
| 2-26-AH-110 031004822-0004 | WHITE WOOD WINDOW GLAZING COMPOUND/ FAÇADE B | White Non-Fibrous Homogeneous | <1% Fibrous (other) | 60% Ca Carbonate 40% Non-fibrous (other) | None Detected |

Analyst(s)

Sean Scales (4)

James Hall, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. 307 West 38th Street, New York NY 10018-1101, NVLAP Lab Code 101048-9, NYS ELAP 11606, NJ NY022, CT PH-0170, MA A4000170



EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT NAME: Pre-Reno Haz Inspection

PROJECT LOCATION: 35-37 Wolfe Ave. Main House Beacon Falls, CT

PROJECT NUMBER: 10-049.10

LAB REFERENCE NUMBER: 031004823

PLM Point Count Request Form

| SAMPLE NO. | LOCATION | MATERIAL TYPE | % ASBESTOS |
|------------|----------|----------------------------------|-------------|
| 2-26-AH-24 | Room 001 | Rough coat plaster on wood lathe | 1.25% Chrys |
| 2-26-AH-25 | Room 001 | Rough coat plaster on wood lathe | DNA |
| 2-26-AH-26 | Room 001 | Rough coat plaster on wood lathe | ↓ |

TEST METHOD: PLM Point Count

TURNAROUND TIME: 24 HOURS

Special Instructions: Stop on first positive for each set of samples. Please do not separate samples. Do not fax chain of custody.

Please e-mail results to bleblanc@eagleenviro.com, halasa@eagleenviro.com & ghowell@eagleenviro.com

Samples Collected By: Aaron Hatcher Date: 2/26/10 Time: _____
 Samples Faxed By: Genevieve Howell Date: 3/8/10 Time: 10:30am
 Samples Received By: _____ Date: _____ Time: _____

531 NORTH MAIN STREET • BRISTOL, CT 06010
 PHONE (860) 589-8257 • FAX (860) 585-7034



EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

Phone: (212) 290-0051 Fax: (212) 290-0050 Email: manhattanlab@emsl.com

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010

Fax: (860) 585-7034 Phone: (860) 589-8257
Project: 10-049.10/ PRE-RENO HAZ INSPECTION/ 35-37 WOLFE
AVE. - MAIN HOUSE/ BEACON FALLS, CT

Customer ID: EEVM50
Customer PO:
Received: 03/02/10 9:14 AM
EMSL Order: 031004823
EMSL Proj:
Analysis Date: 3/5/2010

**Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation
using 400 Point Count Procedure.**

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|------------------------------|--|-------------------------------------|--------------|---|------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 2-26-AH-25 031004823-0024 | ROUGH COAT PLASTER ON WOOD LATH/ | Tan Non-Fibrous Heterogeneous | 3.00% Hair | 50.75% Non-fibrous (other) 45.00% Quartz | 1.25% Chrysotile |
| 2-26-AH-26 031004823-0025 | ROUGH COAT PLASTER ON WOOD LATH/ | | | | Stop Positive (Not Analyzed) |
| 2-26-AH-27 031004823-0026 | GRAY SHEETROCK/ ROOM 001 | | | | Stop Positive (Not Analyzed) |

Analyst(s)

Williams John (1)

James Hall, Laboratory Manager
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 307 West 38th Street, New York NY NYS ELAP 11506



EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT NAME: Pre-Reno Haz Inspection

PROJECT LOCATION: 35-37 Wolfe Ave. Main House Beacon Falls, CT

PROJECT NUMBER: 10-049.10

LAB REFERENCE NUMBER: 031004823

NOB TEM SAMPLE LOG

| SAMPLE NO. | LOCATION | MATERIAL TYPE | % ASBESTOS |
|------------|----------|---|------------|
| 2-26-AH-69 | Room 006 | 3 rd layer self stick VSF on wood | NKD |

TEST METHOD: TEM ELAP 198.4 METHOD

TURNAROUND TIME: 24 HOURS

Special Instructions: Please e-mail results to bleblanc@eagleenviro.com,
halasa@eagleenviro.com & ghowell@eagleenviro.com

Samples Collected By: Aaron Hatcher Date: 2/26/10 Time: _____
Samples Faxed By: Genelle Hanwell Date: 3/5/10 Time: 10:30am
Samples Received By: _____ Date: _____ Time: _____

531 NORTH MAIN STREET • BRISTOL, CT 06010
PHONE (860) 589-8257 • FAX (860) 585-7034



EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

Phone: (212) 290-0051 Fax: 2122900058 Email: manhattanlab@emsl.com

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010

Customer ID: EEVM50
Customer PO:
Received: 03/02/10 9:14 AM
EMSL Order: 031004823

Fax: (860) 585-7034 Phone: (860) 589-8257
Project: 10-049.10/ PRE-RENO HAZ INSPECTION/ 35-37 WOLFE
AVE. - MAIN HOUSE/ BEACON FALLS, CT

EMSL Proj:
Analysis Date: 3/9/2010

**Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by
Transmission Electron Microscopy via NYS ELAP Method 198.4**

| SAMPLE ID | DESCRIPTION | APPEARANCE | % MATRIX MATERIAL | % NON-ASBESTOS FIBERS | ASBESTOS TYPES | % TOTAL ASBESTOS |
|------------------------------|--|-----------------------------------|-------------------|-----------------------|----------------|----------------------|
| 2-26-AH-69 031004023-0068 | 3RD LAYER SELF STICK VSF ON WOOD/ ROOM 008 | Tan Non-Fibrous Homogeneous | 100.0 | None | | No Asbestos Detected |

Analyst(s)

Robert Georgens (1)

James Hall, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted.
Samples analyzed by EMSL Analytical, Inc. 307 West 38th Street, New York NY NYS ELAP 11508

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#01509 - 02/26/10 11:50

INSPECTION FOR: Paul Bailey
Paul Bailey Architect LLC
110 Audubon Street
New Haven, CT 06510

PERFORMED AT: 35-37 Wolfe Ave.
Tracy Lewis House
Beacon Falls, CT

INSPECTION DATE: 02/26/10

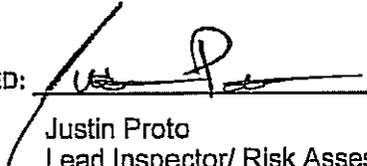
INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 01509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002204

Lead Paint Screen

SIGNED: _____


Justin Proto
Lead Inspector/ Risk Assessor
Eagle Environmental, Inc.
531 N. Main St.
Bristol, CT 06010

Date: 3-2-10

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

Inspection Date: 02/26/10 35 Wolfe Ave.
 Report Date: 3-1-2010 Tracy Lewis House
 Abatement Level: 1.0 Beacon Falls, CT
 Report No. S#01509 - 02/26/10 11:50
 Total Readings: 172 Actionable: 95
 Job Started: 02/26/10 11:50
 Job Finished: 02/26/10 15:10

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|------------|----------|----------------|------------|------------|--------|----------------------------|------|
| Exterior Room 001 Facade A | | | | | | | | | |
| 150 | A | Window | Ctr | Sash | P | Wood | White | >9.9 | QM |
| Exterior Room 002 Facade B | | | | | | | | | |
| 155 | B | Window | Ctr | Sash | P | Wood | White | >9.9 | QM |
| 154 | B | Door | Ctr | Door | P | Wood | White | >9.9 | QM |
| 156 | B | Stairs | Ctr | Risers | P | Wood | White | >9.9 | QM |
| 153 | B | Column | Ctr | | P | Wood | White | >9.9 | QM |
| Exterior Room 003 Facade C | | | | | | | | | |
| 157 | C | Skirtboard | Ctr | | P | Wood | Grey | >9.9 | QM |
| Exterior Room 004 Facade D | | | | | | | | | |
| 160 | C | Basement | Ctr | Window | P | Wood | Grey | >9.9 | QM |
| 159 | C | Window | Ctr | Sash | P | Wood | Brown | >9.9 | QM |
| Exterior Room 005 Porch 1B | | | | | | | | | |
| 162 | C | Wall | L | Lft | P | wainscott. | White | >9.9 | QM |
| 161 | C | Door | | Lft Door | P | Wood | White | >9.9 | QM |
| 164 | D | Floor | | Lft | P | Wood | Gray | >9.9 | QM |
| Exterior Room 006 Porch 1C | | | | | | | | | |
| 166 | A | Window | | Lft Sash | P | Wood | White | >9.9 | QM |
| 169 | A | Door | | Rgt Door | P | Wood | White | >9.9 | QM |
| 167 | C | Column | | Lft | P | Wood | White | >9.9 | QM |
| 165 | D | Floor | | Lft | P | Wood | Grey | >9.9 | QM |
| Interior Room 002 Number Only | | | | | | | | | |
| 008 | C | Stairs | | Lft Treads | P | Wood | Beige | >9.9 | QM |
| Interior Room 005 Number Only | | | | | | | | | |
| 018 | A | Wall | | Lft | P | Plaster | Yellow | 3.9 | QM |
| 015 | A | Door | | Lft Rgt casing | P | Wood | Cream | >9.9 | QM |
| 017 | B | Window | | Lft Rgt casing | P | Wood | Cream | >9.9 | QM |
| 016 | C | Door | | Lft Door | P | Wood | Yellow | >9.9 | QM |
| Interior Room 006 Number Only | | | | | | | | | |
| 019 | C | Wall | | Lft | P | Plaster | White | >9.9 | QM |
| 023 | C | Door | | Lft Door | P | Wood | White | >9.9 | QM |
| 022 | C | Door | | Lft Lft casing | P | Wood | White | >9.9 | QM |
| 021 | D | Window | | Lft Sash | P | Wood | White | >9.9 | QM |
| Interior Room 007 Number Only | | | | | | | | | |
| 027 | A | Wall | | Lft | P | Plaster | White | >9.9 | QM |
| 024 | A | Door | | Lft Rgt casing | P | Wood | White | >9.9 | QM |
| 026 | D | Wall | | Lft | P | Plaster | White | >9.9 | QM |
| 025 | D | Window | | Lft Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 008 Number Only | | | | | | | | | |
| 028 | A | Wall | | Lft | P | Plaster | Cream | >9.9 | QM |

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|-----------|----------|------------|------------|-----------|--------|----------------------------|------|
| 033 | A | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| 029 | B | Wall | Lft | | P | Plaster | Cream | >9.9 | QM |
| 031 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 030 | C | Baseboard | Lft | | P | Wood | Cream | >9.9 | QM |
| Interior Room 010 Number Only | | | | | | | | | |
| 040 | A | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 041 | C | Baseboard | Lft | | P | Wood | White | 7.6 | QM |
| 042 | C | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 012 Number Only | | | | | | | | | |
| 049 | B | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| 048 | B | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| 047 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 013 Number Only | | | | | | | | | |
| 055 | C | Door | Lft | Door | P | Wood | White | >9.9 | QM |
| 054 | C | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 053 | D | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| Interior Room 014 Number Only | | | | | | | | | |
| 057 | B | Wall | Lft | | P | Plaster | Blue | >9.9 | QM |
| 058 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 056 | C | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 015 Number Only | | | | | | | | | |
| 060 | D | Baseboard | Lft | | P | Wood | White | 6.9 | QM |
| 059 | D | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 061 | D | Stairs | Lft | Treads | P | Wood | White | >9.9 | QM |
| 062 | D | Stairs | Lft | Newel Post | P | Wood | White | 9.3 | QM |
| Interior Room 016 Number Only | | | | | | | | | |
| 065 | A | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 064 | C | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 066 | D | Radiator | Lft | | P | Cast Iron | Silver | 1.0 | QM |
| 063 | D | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| Interior Room 017 Number Only | | | | | | | | | |
| 069 | B | Wall | Lft | | P | Plaster | Blue | >9.9 | QM |
| 071 | C | Door | Lft | Lft casing | P | Wood | White | >9.9 | QM |
| 070 | D | Wall | Lft | | P | Plaster | Blue | >9.9 | QM |
| 073 | D | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| Interior Room 018 Number Only | | | | | | | | | |
| 076 | A | Wall | Lft | | P | Plaster | Blue | >9.9 | QM |
| 075 | A | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 077 | D | Radiator | Lft | | P | Cast Iron | Silver | 1.0 | QM |
| 074 | D | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 019 Number Only | | | | | | | | | |
| 080 | A | Baseboard | Lft | | P | Wood | White | 7.9 | QM |
| 079 | A | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| 081 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 020 Number Only | | | | | | | | | |
| 085 | A | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| 086 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|-----------|----------|------------|------------|------------|-------|----------------------------|------|
| Interior Room 021 Number Only | | | | | | | | | |
| 089 | A | Window | Rgt | Rgt casing | P | Wood | White | >9.9 | QM |
| 088 | C | Baseboard | Rgt | | P | Wood | White | >9.9 | QM |
| 087 | C | Door | Rgt | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 022 Number Only | | | | | | | | | |
| 093 | B | Window | Rgt | Sash | P | Wood | White | >9.9 | QM |
| Interior Room 023 Number Only | | | | | | | | | |
| 094 | B | Door | Rgt | Door | P | Wood | White | >9.9 | QM |
| 095 | C | Baseboard | Rgt | | P | Wood | White | >9.9 | QM |
| Interior Room 024 Number Only | | | | | | | | | |
| 100 | C | Door | Rgt | Rgt casing | P | Wood | White | 4.2 | QM |
| Interior Room 025 Number Only | | | | | | | | | |
| 102 | A | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| 101 | A | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 103 | C | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 026 Number Only | | | | | | | | | |
| 106 | A | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 108 | B | Door | Lft | Door | P | Wood | White | >9.9 | QM |
| 107 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 109 | D | Baseboard | Lft | | P | Wood | White | 8.2 | QM |
| Interior Room 028 Number Only | | | | | | | | | |
| 117 | C | Wall | Lft | | P | Plaster | White | >9.9 | QM |
| 118 | D | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 029 Number Only | | | | | | | | | |
| 121 | B | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| 122 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 030 Number Only | | | | | | | | | |
| 124 | B | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 031 Number Only | | | | | | | | | |
| 129 | B | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 032 Number Only | | | | | | | | | |
| 130 | B | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 131 | C | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| Interior Room 033 Number Only | | | | | | | | | |
| 138 | A | Door | Lft | Door | P | Wood | White | >9.9 | QM |
| 137 | C | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| Interior Room 034 Number Only | | | | | | | | | |
| 140 | B | Wall | L | Rgt | P | wainscott. | White | 8.1 | QM |
| 139 | D | Door | Rgt | Door | P | Wood | White | >9.9 | QM |
| Interior Room 035 Number Only | | | | | | | | | |
| 142 | C | Floor | Rgt | | P | Wood | Grey | >9.9 | QM |
| 144 | C | Stairs | Lft | Treads | P | Wood | Grey | >9.9 | QM |

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|-----------|----------|--------|------------|-----------|---------|----------------------------|------|
| Interior Room 036 Number Only | | | | | | | | | |
| 148 | A | Door | Ctr | Door | P | Wood | Varnish | >9.9 | QM |

Calibration Readings

----- End of Readings -----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

Inspection Date: 02/26/10 35 Wolfe Ave.
 Report Date: 3-1-2010 Tracy Lewis House
 Abatement Level: 1.0 Beacon Falls, CT
 Report No. S#01509 - 02/26/10 11:50
 Total Readings: 172
 Job Started: 02/26/10 11:50
 Job Finished: 02/26/10 15:10

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|-----------------------|----------|------------|------------|------------|-------|----------------------------|------|
| Exterior Room 001 Facade A | | | | | | | | | |
| 151 | A | Facade | Ctr | | P | shingles | Brown | 0.3 | QM |
| | | under aluminum siding | | | | | | | |
| 150 | A | Window | Ctr | Sash | P | Wood | White | >9.9 | QM |
| 149 | A | Door | Ctr | Door | P | Wood | White | -0.1 | QM |
| Exterior Room 002 Facade B | | | | | | | | | |
| 152 | B | Facade | Ctr | | P | shingles | Cream | 0.1 | QM |
| 155 | B | Window | Ctr | Sash | P | Wood | White | >9.9 | QM |
| 154 | B | Door | Ctr | Door | P | Wood | White | >9.9 | QM |
| 156 | B | Stairs | Ctr | Risers | P | Wood | White | >9.9 | QM |
| 153 | B | Column | Ctr | | P | Wood | White | >9.9 | QM |
| Exterior Room 003 Facade C | | | | | | | | | |
| 157 | C | Skirtboard | Ctr | | P | Wood | Grey | >9.9 | QM |
| 158 | C | Column | Ctr | | P | Metal | Grey | 0.2 | QM |
| Exterior Room 004 Facade D | | | | | | | | | |
| 160 | C | Basement | Ctr | Window | P | Wood | Grey | >9.9 | QM |
| 159 | C | Window | Ctr | Sash | P | Wood | Brown | >9.9 | QM |
| Exterior Room 005 Porch 1B | | | | | | | | | |
| 162 | C | Wall | L Lft | | P | wainscott. | White | >9.9 | QM |
| 161 | C | Door | Lft | Door | P | Wood | White | >9.9 | QM |
| 164 | D | Floor | Lft | | P | Wood | Grey | >9.9 | QM |
| 163 | D | Wall | Lft | | P | shingles | Cream | 0.3 | QM |
| Exterior Room 006 Porch 1C | | | | | | | | | |
| 168 | A | Wall | Lft | | P | Wood | White | 0.1 | QM |
| 166 | A | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| 169 | A | Door | Rgt | Door | P | Wood | White | >9.9 | QM |
| 167 | C | Column | Lft | | P | Wood | White | >9.9 | QM |
| 165 | D | Floor | Lft | | P | Wood | Grey | >9.9 | QM |
| Interior Room 001 Number Only | | | | | | | | | |
| 005 | D | Beam | Lft | | P | Wood | Grey | -0.1 | QM |
| 004 | D | Window | Lft | Sash | P | Wood | Brown | -0.1 | QM |
| Interior Room 002 Number Only | | | | | | | | | |
| 006 | A | Wall | Lft | | P | Dry wall | White | -0.1 | QM |
| 007 | A | Window | Lft | Sash | P | Wood | White | 0.0 | QM |
| 009 | B | Door | Lft | Rgt casing | P | Wood | White | 0.2 | QM |
| 008 | C | Stairs | Lft | Treads | P | Wood | Beige | >9.9 | QM |
| Interior Room 003 Number Only | | | | | | | | | |
| 011 | A | Wall | Lft | | P | Dry wall. | White | 0.0 | QM |
| 010 | D | Door | Lft | Rgt casing | P | Wood | White | -0.2 | QM |
| Interior Room 004 Number Only | | | | | | | | | |
| 013 | B | Window | Lft | Rgt casing | P | Wood | White | 0.2 | QM |

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|-----------|----------|------------|------------|-----------|--------|----------------------------|------|
| 012 | C | Wall | Lft | | P | Dry wall | White | -0.1 | QM |
| 014 | D | Door | Lft | Rgt casing | P | Wood | White | 0.3 | QM |
| Interior Room 005 Number Only | | | | | | | | | |
| 018 | A | Wall | Lft | | P | Plaster | Yellow | 3.9 | QM |
| 015 | A | Door | Lft | Rgt casing | P | Wood | Cream | >9.9 | QM |
| 017 | B | Window | Lft | Rgt casing | P | Wood | Cream | >9.9 | QM |
| 016 | C | Door | Lft | Door | P | Wood | Yellow | >9.9 | QM |
| Interior Room 006 Number Only | | | | | | | | | |
| 020 | A | Wall | Lft | | P | Plaster | White | -0.2 | QM |
| 019 | C | Wall | Lft | | P | Plaster | White | >9.9 | QM |
| 023 | C | Door | Lft | Door | P | Wood | White | >9.9 | QM |
| 022 | C | Door | Lft | Lft casing | P | Wood | White | >9.9 | QM |
| 021 | D | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| Interior Room 007 Number Only | | | | | | | | | |
| 027 | A | Wall | Lft | | P | Plaster | White | >9.9 | QM |
| 024 | A | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 026 | D | Wall | Lft | | P | Plaster | White | >9.9 | QM |
| 025 | D | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 008 Number Only | | | | | | | | | |
| 028 | A | Wall | Lft | | P | Plaster | Cream | >9.9 | QM |
| 033 | A | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| 029 | B | Wall | Lft | | P | Plaster | Cream | >9.9 | QM |
| 032 | B | Door | Lft | Door | P | Wood | Stain | 0.7 | QM |
| 031 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 030 | C | Baseboard | Lft | | P | Wood | Cream | >9.9 | QM |
| Interior Room 009 Number Only | | | | | | | | | |
| 038 | A | Radiator | Lft | | P | Cast Iron | Gold | 0.0 | QM |
| 034 | A | Door | Lft | Lft casing | P | Wood | Stain | 0.0 | QM |
| 037 | B | Wall | Lft | | P | Plaster | White | 0.3 | QM |
| 035 | B | Baseboard | Lft | | P | Wood | Stain | 0.3 | QM |
| 036 | B | Stairs | Lft | Newel post | P | Wood | Stain | 0.1 | QM |
| Interior Room 010 Number Only | | | | | | | | | |
| 039 | A | Radiator | Lft | | P | Cast Iron | Gold | 0.5 | QM |
| 040 | A | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 043 | C | Wall | Lft | | P | Plaster | Cream | 0.1 | QM |
| 041 | C | Baseboard | Lft | | P | Wood | White | 7.6 | QM |
| 042 | C | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 011 Number Only | | | | | | | | | |
| 044 | B | Wall | Lft | | P | Plaster | Cream | 0.0 | QM |
| 046 | B | Door | Lft | Rgt casing | P | Wood | Stain | 0.0 | QM |
| 045 | C | Wall | Lft | | P | Plaster | Cream | -0.1 | QM |
| Interior Room 012 Number Only | | | | | | | | | |
| 050 | B | Wall | Lft | | P | Plaster | Beige | -0.1 | QM |
| 049 | B | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| 048 | B | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| 047 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 051 | C | Wall | Lft | | P | Plaster | Beige | 0.1 | QM |
| Interior Room 013 Number Only | | | | | | | | | |

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|-----------|----------|------------|------------|-----------|--------|----------------------------|------|
| 052 | B | Wall | Lft | | P | Plaster | Paper | 0.1 | QM |
| 055 | C | Door | Lft | Door | P | Wood | White | >9.9 | QM |
| 054 | C | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 053 | D | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| Interior Room 014 Number Only | | | | | | | | | |
| 057 | B | Wall | Lft | | P | Plaster | Blue | >9.9 | QM |
| 058 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 056 | C | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 015 Number Only | | | | | | | | | |
| 060 | D | Baseboard | Lft | | P | Wood | White | 6.9 | QM |
| 059 | D | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 061 | D | Stairs | Lft | Treads | P | Wood | White | >9.9 | QM |
| 062 | D | Stairs | Lft | Newel Post | P | Wood | White | 9.3 | QM |
| Interior Room 016 Number Only | | | | | | | | | |
| 067 | A | Wall | Lft | | P | Plaster | Yellow | 0.2 | QM |
| 065 | A | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 064 | C | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 066 | D | Radiator | Lft | | P | Cast Iron | Silver | 1.0 | QM |
| 068 | D | Wall | Lft | | P | Plaster | Yellow | 0.2 | QM |
| 063 | D | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| Interior Room 017 Number Only | | | | | | | | | |
| 069 | B | Wall | Lft | | P | Plaster | Blue | >9.9 | QM |
| 072 | C | Door | Lft | Door | P | Wood | Stain | 0.0 | QM |
| 071 | C | Door | Lft | Lft casing | P | Wood | White | >9.9 | QM |
| 070 | D | Wall | Lft | | P | Plaster | Blue | >9.9 | QM |
| 073 | D | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| Interior Room 018 Number Only | | | | | | | | | |
| 076 | A | Wall | Lft | | P | Plaster | Blue | >9.9 | QM |
| 075 | A | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 077 | D | Radiator | Lft | | P | Cast Iron | Silver | 1.0 | QM |
| 074 | D | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 019 Number Only | | | | | | | | | |
| 080 | A | Baseboard | Lft | | P | Wood | White | 7.9 | QM |
| 079 | A | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| 082 | B | Wall | Lft | | P | Plaster | White | 0.4 | QM |
| 081 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 078 | D | Radiator | Lft | | P | Cast Iron | Silver | 0.0 | QM |
| Interior Room 020 Number Only | | | | | | | | | |
| 083 | A | Wall | Lft | | P | Plaster | White | 0.1 | QM |
| 085 | A | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| 084 | B | Wall | Lft | | P | Plaster | White | -0.1 | QM |
| 086 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 021 Number Only | | | | | | | | | |
| 090 | A | Wall | Rgt | | P | Plaster | White | 0.2 | QM |
| 089 | A | Window | Rgt | Rgt casing | P | Wood | White | >9.9 | QM |
| 091 | C | Wall | Rgt | | P | Plaster | White | 0.0 | QM |
| 088 | C | Baseboard | Rgt | | P | Wood | White | >9.9 | QM |
| 087 | C | Door | Rgt | Rgt casing | P | Wood | White | >9.9 | QM |

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|-----------|----------|------------|------------|-----------|--------|----------------------------|------|
| Interior Room 022 Number Only | | | | | | | | | |
| 093 | B | Window | Rgt | Sash | P | Wood | White | >9.9 | QM |
| 092 | C | Door | Rgt | Lft casing | P | Wood | White | 0.0 | QM |
| Interior Room 023 Number Only | | | | | | | | | |
| 096 | A | Wall | Rgt | | P | Plaster | White | 0.2 | QM |
| 094 | B | Door | Rgt | Door | P | Wood | White | >9.9 | QM |
| 095 | C | Baseboard | Rgt | | P | Wood | White | >9.9 | QM |
| Interior Room 024 Number Only | | | | | | | | | |
| 097 | A | Wall | Rgt | | P | Plaster | White | 0.5 | QM |
| 098 | B | Wall | Rgt | | P | Plaster | White | -0.2 | QM |
| 099 | B | Window | Rgt | Sash | P | Wood | White | -0.1 | QM |
| 100 | C | Door | Rgt | Rgt casing | P | Wood | White | 4.2 | QM |
| Interior Room 025 Number Only | | | | | | | | | |
| 102 | A | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| 101 | A | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 105 | B | Radiator | Lft | | P | Cast Iron | Silver | 0.6 | QM |
| 104 | C | Wall | Lft | | P | Plaster | White | 0.2 | QM |
| 103 | C | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 026 Number Only | | | | | | | | | |
| 106 | A | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 108 | B | Door | Lft | Door | P | Wood | White | >9.9 | QM |
| 107 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 111 | D | Wall | Lft | | P | Plaster | White | 0.2 | QM |
| 109 | D | Baseboard | Lft | | P | Wood | White | 8.2 | QM |
| 110 | D | Ceiling | Lft | | P | Plaster | White | 0.3 | QM |
| Interior Room 027 Number Only | | | | | | | | | |
| 115 | A | Radiator | Lft | | P | Cast Iron | Silver | 0.3 | QM |
| 113 | A | Baseboard | Lft | | P | Wood | Blue | 0.0 | QM |
| 114 | B | Door | Lft | Rgt casing | P | Wood | Blue | 0.3 | QM |
| 112 | D | Wall | Lft | | P | Plaster | Blue | -0.1 | QM |
| Interior Room 028 Number Only | | | | | | | | | |
| 116 | B | Wall | Lft | | P | Plaster | White | 0.6 | QM |
| 117 | C | Wall | Lft | | P | Plaster | White | >9.9 | QM |
| 118 | D | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| Interior Room 029 Number Only | | | | | | | | | |
| 119 | A | Wall | Lft | | P | Plaster | Cream | 0.1 | QM |
| 121 | B | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| 122 | B | Door | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 120 | C | Wall | Lft | | P | Plaster | Cream | 0.4 | QM |
| Interior Room 030 Number Only | | | | | | | | | |
| 125 | B | Wall | Lft | | P | Plaster | Yellow | -0.1 | QM |
| 124 | B | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 123 | C | Door | Lft | Rgt casing | P | Wood | White | -0.1 | QM |
| 126 | D | Wall | Lft | | P | Plaster | Yellow | 0.0 | QM |
| Interior Room 031 Number Only | | | | | | | | | |
| 127 | B | Wall | Lft | | P | Plaster | Yellow | 0.0 | QM |
| 129 | B | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 128 | C | Wall | Lft | | P | Plaster | Yellow | 0.0 | QM |

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|-----------|----------|----------------|------------|------------|---------|----------------------------|------|
| Interior Room 032 Number Only | | | | | | | | | |
| 134 | A | Wall | Lft | | P | Plaster | Gray | 0.1 | QM |
| 132 | B | Radiator | Lft | | P | Cast Iron | Silver | 0.1 | QM |
| 130 | B | Window | Lft | Rgt casing | P | Wood | White | >9.9 | QM |
| 133 | C | Wall | Lft | | P | Plaster | Gray | 0.1 | QM |
| 131 | C | Baseboard | Lft | | P | Wood | White | >9.9 | QM |
| Interior Room 033 Number Only | | | | | | | | | |
| 138 | A | Door | Lft | Door | P | Wood | White | >9.9 | QM |
| 135 | B | Wall | Lft | | P | Plaster | White | -0.1 | QM |
| 137 | C | Window | Lft | Sash | P | Wood | White | >9.9 | QM |
| 136 | D | Wall | Lft | | P | Plaster | White | 0.2 | QM |
| Interior Room 034 Number Only | | | | | | | | | |
| 140 | B | Wall | L | Rgt | P | wainscott. | White | 8.1 | QM |
| 141 | B | Wall | | Rgt | P | shingles | Cream | -0.1 | QM |
| 139 | D | Door | | Rgt Door | P | Wood | White | >9.9 | QM |
| Interior Room 035 Number Only | | | | | | | | | |
| 143 | A | Window | Lft | Rgt casing | P | Wood | White | 0.0 | QM |
| 142 | C | Floor | | Rgt | P | Wood | Grey | >9.9 | QM |
| 144 | C | Stairs | | Lft Treads | P | Wood | Grey | >9.9 | QM |
| Interior Room 036 Number Only | | | | | | | | | |
| 147 | A | Window | Lft | Rgt casing | P | Wood | White | -0.1 | QM |
| 148 | A | Door | | Ctr Door | P | Wood | Varnish | >9.9 | QM |
| 146 | B | Window | | Lft Rgt casing | P | Wood | Grey | -0.2 | QM |
| 145 | C | Floor | | Lft | P | Wood | Grey | 0.0 | QM |
| Calibration Readings | | | | | | | | | |
| 001 | | | | | | | | 0.8 | TC |
| 002 | | | | | | | | 0.8 | TC |
| 003 | | | | | | | | 0.8 | TC |
| 170 | | | | | | | | 0.9 | TC |
| 171 | | | | | | | | 0.9 | TC |
| 172 | | | | | | | | 1.0 | TC |

----- End of Readings -----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#01509 - 02/26/10 15:10

INSPECTION FOR: Paul Bailey
Paul Bailey Architect LLC
110 Audubon Street
New Haven, CT 06510

PERFORMED AT: 35-37 Wolfe Ave.
Carriage House
Beacon Falls, CT

INSPECTION DATE: 02/26/10

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 01509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002204

Lead Paint Screen

SIGNED: _____

Justin Proto
Lead Inspector/ Risk Assessor
Eagle Environmental, Inc.
531 N. Main St.
Bristol, CT 06010

Date: 3-2-10

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

Inspection Date: 02/26/10 35 Wolfe Ave.
 Report Date: 3-1-2010 Carriage House
 Abatement Level: 1.0 Beacon Falls, CT
 Report No. S#01509 - 02/26/10 15:10
 Total Readings: 33 Actionable: 17
 Job Started: 02/26/10 15:10
 Job Finished: 02/26/10 15:50

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|---------------------------------|----------|------------|------------|------------|--------|----------------------------|------|
| Exterior Room 001 Facade A | | | | | | | | | |
| 025 | A | Garage Door | Lft | | P | Wood | White | 1.4 | QM |
| 023 | A | Facade | Rgt | | P | Wood | White | 2.0 | QM |
| 024 | A | Door | Lft | Rgt casing | P | Wood | White | 1.4 | QM |
| Exterior Room 002 Facade B | | | | | | | | | |
| 027 | B | Facade | Lft | | P | Wood | Yellow | 7.7 | QM |
| | | under unpainted wood shingles | | | | | | | |
| 026 | B | Window | Lft | Rgt casing | P | Wood | White | 2.3 | QM |
| Exterior Room 003 Facade C | | | | | | | | | |
| 028 | C | Facade | Lft | | P | Wood | Yellow | 2.8 | QM |
| | | under unpainted wooden shingles | | | | | | | |
| Exterior Room 004 Facade D | | | | | | | | | |
| 030 | D | Window | Rgt | Rgt casing | P | Wood | White | 8.3 | QM |
| Interior Room 002 Number Only | | | | | | | | | |
| 008 | A | Door | Rgt | Door | P | Wood | White | 1.5 | QM |
| Interior Room 003 Number Only | | | | | | | | | |
| 011 | C | Wall | Rgt | | P | Fiberboard | Yellow | >9.9 | QM |
| 012 | D | Wall | Rgt | | P | Fiberboard | Yellow | >9.9 | QM |
| 013 | D | Floor | Rgt | | P | Wood | Grey | 1.0 | QM |
| Interior Room 004 Number Only | | | | | | | | | |
| 016 | D | Wall | Rgt | | P | Fiberboard | Yellow | >9.9 | QM |
| 017 | D | Floor | Rgt | | P | Wood | Grey | 3.3 | QM |
| Interior Room 005 Number Only | | | | | | | | | |
| 019 | A | Window | Rgt | Sash | P | Wood | Stain | >9.9 | QM |
| 020 | D | Wall | Rgt | | P | Fiberboard | Yellow | 1.0 | QM |
| 018 | D | Floor | Rgt | | P | Wood | Grey | 6.5 | QM |
| Interior Room 006 | | | | | | | | | |
| 021 | C | Wall | Rgt | | P | Fiberboard | Yellow | >9.9 | QM |

Calibration Readings

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

Inspection Date: 02/26/10 35 Wolfe Ave.
 Report Date: 3-1-2010 Carriage House
 Abatement Level: 1.0 Beacon Falls, CT
 Report No. S#01509 - 02/26/10 15:10
 Total Readings: 33
 Job Started: 02/26/10 15:10
 Job Finished: 02/26/10 15:50

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-------------------------------|------|---------------------------------|----------|------------|------------|------------|--------|----------------------------|------|
| Exterior Room 001 Facade A | | | | | | | | | |
| 025 | A | Garage Door | Lft | | P | Wood | White | 1.4 | QM |
| 023 | A | Facade | Rgt | | P | Wood | White | 2.0 | QM |
| 024 | A | Door | Lft | Rgt casing | P | Wood | White | 1.4 | QM |
| Exterior Room 002 Facade B | | | | | | | | | |
| 027 | B | Facade | Lft | | P | Wood | Yellow | 7.7 | QM |
| | | under unpainted wood shingles | | | | | | | |
| 026 | B | Window | Lft | Rgt casing | P | Wood | White | 2.3 | QM |
| Exterior Room 003 Facade C | | | | | | | | | |
| 028 | C | Facade | Lft | | P | Wood | Yellow | 2.8 | QM |
| | | under unpainted wooden shingles | | | | | | | |
| Exterior Room 004 Facade D | | | | | | | | | |
| 033 | | | | | | | | 0.9 TC | |
| 029 | D | Window | Lft | Rgt casing | P | Wood | White | 0.3 | QM |
| 030 | D | Window | Rgt | Rgt casing | P | Wood | White | 8.3 | QM |
| Interior Room 001 Number Only | | | | | | | | | |
| 004 | A | Garage Door | Lft | | P | Wood | White | 0.6 | QM |
| 007 | C | Wall | Lft | | P | wainscott. | Stain | -0.1 | QM |
| 006 | D | Wall | Lft | | P | wainscott. | Stain | 0.0 | QM |
| 005 | D | Window | Lft | Sash | P | Wood | Stain | 0.1 | QM |
| Interior Room 002 Number Only | | | | | | | | | |
| 009 | A | Window | Rgt | Rgt casing | P | Wood | Stain | 0.0 | QM |
| 008 | A | Door | Rgt | Door | P | Wood | White | 1.5 | QM |
| 010 | B | Wall | Rgt | | P | Wood | Stain | 0.2 | QM |
| Interior Room 003 Number Only | | | | | | | | | |
| 014 | A | Door | Rgt | Rgt casing | P | Wood | Stain | 0.3 | QM |
| 011 | C | Wall | Rgt | | P | Fiberboard | Yellow | >9.9 | QM |
| 015 | C | Window | Rgt | Rgt casing | P | Wood | Stain | -0.1 | QM |
| 012 | D | Wall | Rgt | | P | Fiberboard | Yellow | >9.9 | QM |
| 013 | D | Floor | Rgt | | P | Wood | Grey | 1.0 | QM |
| Interior Room 004 Number Only | | | | | | | | | |
| 016 | D | Wall | Rgt | | P | Fiberboard | Yellow | >9.9 | QM |
| 017 | D | Floor | Rgt | | P | Wood | Grey | 3.3 | QM |
| Interior Room 005 Number Only | | | | | | | | | |
| 019 | A | Window | Rgt | Sash | P | Wood | Stain | >9.9 | QM |
| 020 | D | Wall | Rgt | | P | Fiberboard | Yellow | 1.0 | QM |
| 018 | D | Floor | Rgt | | P | Wood | Grey | 6.5 | QM |
| Interior Room 006 | | | | | | | | | |
| 021 | C | Wall | Rgt | | P | Fiberboard | Yellow | >9.9 | QM |
| 022 | C | Door | Rgt | Lft casing | P | Wood | Stain | 0.3 | QM |

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Paul Bailey

| Reading No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Color | Lead (mg/cm ²) | Mode |
|-----------------------------|------|-----------|----------|--------|------------|-----------|-------|----------------------------|------|
| Calibration Readings | | | | | | | | | |
| 001 | | | | | | | | 1.0 | TC |
| 002 | | | | | | | | 1.0 | TC |
| 003 | | | | | | | | 1.0 | TC |
| 031 | | | | | | | | 0.8 | TC |
| 032 | | | | | | | | 1.0 | TC |
| ----- End of Readings ----- | | | | | | | | | |



Friday, March 05, 2010

Attn: Mr. Peter Follino
Eagle Environmental Inc.
531 North Main Street
Bristol, CT 06010

Project ID: 10.049.10 TRACY LEWIS HOUSE
Sample ID#s: AS79643 - AS79644

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report
 March 05, 2010

FOR: Attn: Mr. Peter Folino
 Eagle Environmental Inc.
 531 North Main Street
 Bristol, CT 06010

Sample Information

Matrix: SOLID
 Location Code: EAGLEENV
 Rush Request: RUSH##
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 02/26/10 0:00
 03/02/10 14:05

Laboratory Data

SDG ID: GAS79643
 Phoenix ID: AS79643

Project ID: 10.049.10 TRACY LEWIS HOUSE
 Client ID: EXTERIOR STORM WINDOW CAULK-1

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|--------------------------------|-------------|-------|-------|----------|------|------|------------|
| Percent Solid | 100 | 1 | % | 03/03/10 | | M/JL | E160.3 |
| Caulk Extraction for PCB | Completed | | | 03/02/10 | | BB/K | SW3540C |
| <u>PCB (Soxhlet)</u> | | | | | | | |
| PCB-1016 | ND | 16000 | ug/Kg | 03/03/10 | | MH | 3540C/8082 |
| PCB-1221 | ND | 16000 | ug/Kg | 03/03/10 | | MH | 3540C/8082 |
| PCB-1232 | ND | 16000 | ug/Kg | 03/03/10 | | MH | 3540C/8082 |
| PCB-1242 | ND | 16000 | ug/Kg | 03/03/10 | | MH | 3540C/8082 |
| PCB-1248 | ND | 16000 | ug/Kg | 03/03/10 | | MH | 3540C/8082 |
| PCB-1254 | 21000 | 16000 | ug/Kg | 03/03/10 | | MH | 3540C/8082 |
| PCB-1260 | ND | 16000 | ug/Kg | 03/03/10 | | MH | 3540C/8082 |
| PCB-1262 | ND | 16000 | ug/Kg | 03/03/10 | | MH | 3540C/8082 |
| PCB-1268 | ND | 16000 | ug/Kg | 03/03/10 | | MH | 3540C/8082 |
| <u>QA/QC Surrogates</u> | | | | | | | |
| % DCBP | Diluted Out | | % | 03/03/10 | | MH | 3540C/8082 |
| % TCMX | Diluted Out | | % | 03/03/10 | | MH | 3540C/8082 |

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
 ND=Not detected BDL=Below Detection Level RL=Reporting Level
 This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
 March 08, 2010



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report
 March 05, 2010

FOR: Attn: Mr. Peter Folino
 Eagle Environmental Inc.
 531 North Main Street
 Bristol, CT 06010

Sample Information

Matrix: SOLID
 Location Code: EAGLEENV
 Rush Request: RUSH##
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 02/26/10 0:00
 03/02/10 14:05

Laboratory Data

SDG ID: GAS79643
 Phoenix ID: AS79644

Project ID: 10.049.10 TRACY LEWIS HOUSE
 Client ID: EXTERIOR STORM WINDOW CAULK-2

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|--------------------------------|-----------|------|-------|----------|------|------|------------|
| Percent Solid | 100 | 1 | % | 03/03/10 | | M/JL | E160.3 |
| Caulk Extraction for PCB | Completed | | | 03/02/10 | | BB/K | 5W3540C |
| <u>PCB (Soxhlet)</u> | | | | | | | |
| PCB-1016 | ND | 1100 | ug/Kg | 03/05/10 | | MH | 3540C/8082 |
| PCB-1221 | ND | 1100 | ug/Kg | 03/05/10 | | MH | 3540C/8082 |
| PCB-1232 | ND | 1100 | ug/Kg | 03/05/10 | | MH | 3540C/8082 |
| PCB-1242 | ND | 1100 | ug/Kg | 03/05/10 | | MH | 3540C/8082 |
| PCB-1248 | ND | 1100 | ug/Kg | 03/05/10 | | MH | 3540C/8082 |
| PCB-1254 | 6800 | 1100 | ug/Kg | 03/05/10 | | MH | 3540C/8082 |
| PCB-1260 | ND | 1100 | ug/Kg | 03/05/10 | | MH | 3540C/8082 |
| PCB-1262 | ND | 1100 | ug/Kg | 03/05/10 | | MH | 3540C/8082 |
| PCB-1268 | ND | 1100 | ug/Kg | 03/05/10 | | MH | 3540C/8082 |
| <u>QA/QC Surrogates</u> | | | | | | | |
| % DCBP | 115 | | % | 03/05/10 | | MH | 3540C/8082 |
| % TCMX | 87 | | % | 03/05/10 | | MH | 3540C/8082 |

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
 ND=Not detected BDL=Below Detection Level RL=Reporting Level
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Phyllis Shiller, Laboratory Director
 March 08, 2010



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

March 08, 2010

QA/QC Data

SDG I.D.: GAS79643

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|-----------|-------|----------|-----------|------------|-------------|-----------------|-----|
|-----------|-------|----------|-----------|------------|-------------|-----------------|-----|

QA/QC Batch 148222, QC Sample No: AS79897 (AS79643, AS79644)

Polychlorinated Biphenyls

| | | | | | | | |
|------------------------|----|--|----|--|----|----|----|
| PCB-1016 | ND | | 85 | | * | * | NC |
| PCB-1221 | ND | | | | | | |
| PCB-1232 | ND | | | | | | |
| PCB-1242 | ND | | | | | | |
| PCB-1248 | ND | | | | | | |
| PCB-1254 | ND | | | | | | |
| PCB-1260 | ND | | 98 | | * | * | NC |
| PCB-1262 | ND | | | | | | |
| PCB-1268 | ND | | | | | | |
| % DCBP (Surrogate Rec) | 97 | | 90 | | NR | NR | NC |
| % TCMX (Surrogate Rec) | 77 | | 66 | | NR | NR | NC |

Comment:

* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Phyllis Shiller
 Phyllis Shiller, Laboratory Director
 March 08, 2010

Sample Criteria Exceedences Report

GAS79643

Monday, March 08, 2010
Requested Criteria:

| SampNo | LocCode | Acode | Phoenix Analyte | Criteria Units | ST State Category | Criteria Name | Result | RL | Factored Criteria | Factored RL Criteria | Analysis Units |
|--------|---------|-------|-----------------|----------------|-------------------|---------------|--------|----|-------------------|----------------------|----------------|
|--------|---------|-------|-----------------|----------------|-------------------|---------------|--------|----|-------------------|----------------------|----------------|

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS LICENSED

BY THIS DEPARTMENT AS A

LEAD CONSULTANT CONTRACTOR

EAGLE ENVIRONMENTAL, INC

LICENSE NO. 001723

CURRENT THROUGH 04/30/10

VALIDATION NO. 03-89-8198

[Handwritten signature]
DATE

[Handwritten signature]
COMMISSIONER

Certificate of Training

Awarded to

AARON HATCHER

For successful completion of a 4 Hour, 1/2 Day

Asbestos Building Inspector

Annual Refresher Training

FEBRUARY 1, 2010

This training was approved and given in accordance with the
Regulations for Connecticut State Agencies
RCSA 20-440-19 and RCSA 20-441 and meets the
requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

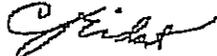
Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: ABIRF18632

Exam Grade: 100

Expiration Date: 02/01/2011



Christopher J. Eident, CIH, CSP, RS

Exam Date: 02/01/2010



George Williams, Training Director

STATE OF CONNECTICUT

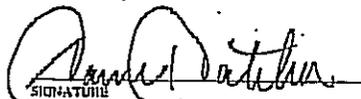
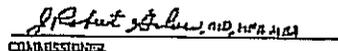
DEPARTMENT OF PUBLIC HEALTH,

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT-INSPECTOR

AARON HATCHER

LICENSE NO.
000645
CURRENT THROUGH
05/31/10
VALIDATION NO.
03-851233


SIGNATURE
COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Justin Probe

1763 Tuttle Ave., Cheshire, CT 06410
044-92-9009

has successfully completed the

INSPECTOR RISK ASSESSOR REFRESHER

Training Course

conducted by

ATC Associates Inc.

73 William Franks Drive

West Springfield, MA 01089

(413) 781-0070

Edward Holby

Principal Instructor

Gregory J. March

Training Manager

October 27, 2009

Date of Course

October 27, 2009

Exam Date

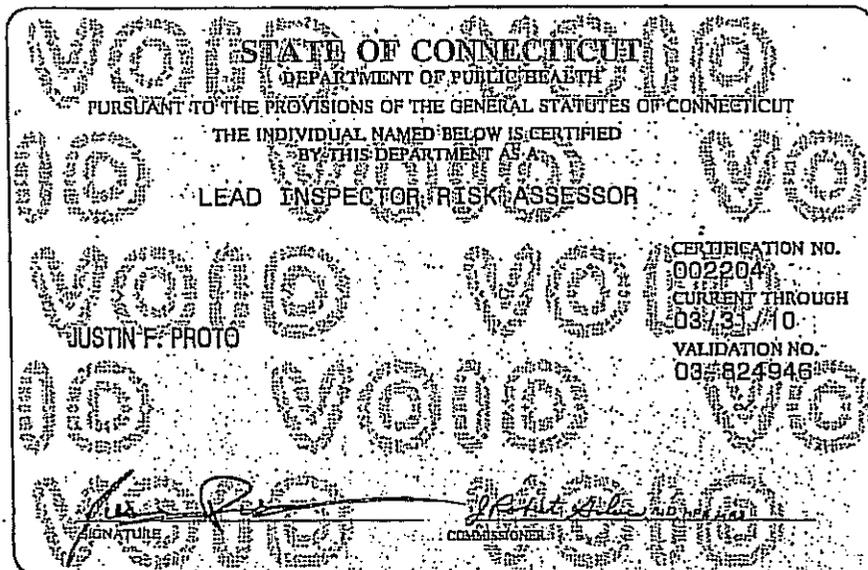
CTLIRAR-252

Certificate Number

October 27, 2010

Expiration Date

Training received complies with the requirements of the Connecticut Department of Public Health pursuant to Section 477 of the Connecticut General Statutes.



State of Connecticut, Department of Public Health
Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

PHOENIX ENVIRONMENTAL LABORATORIES, INC.
587 East Middle Turnpike IN Manchester, Connecticut 06040

LOCATED AT 587 East Middle Turnpike IN Manchester, Connecticut 06040
AND REGISTERED IN THE NAME OF Allan E. Caffyn WHO HAS BEEN DESIGNATED
THIS CERTIFICATE IS ISSUED IN THE NAME OF Phyllis Shiller (Chemistry)
Kathleen Cressia (Microbiology)

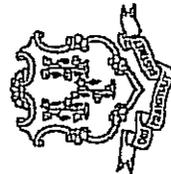
BY THE REGISTERED OWNER AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

DRINKING WATER, NON-POTABLE/WASTEWATER, SOLID WASTE/SOIL
Examination For:
MICROBIOLOGICALS
INORGANIC CHEMICALS
ORGANIC CHEMICALS

PAINT CHIPS
Examination For:
LEAD

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED
June 30, 2010 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH
28th DAY OF July, 2008

THIS CERTIFICATE EXPIRES _____
DATED AT HARTFORD, CONNECTICUT, THIS _____



Registration
No.
PH - 0618

SUZANNE BLANCALOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

EMSL ANALYTICAL, INC. - MANHATTAN, NY

LOCATED AT 307 West 38th Street IN New York, NY 10018
AND REGISTERED IN THE NAME OF Peter Frasca, Ph.D.

THIS CERTIFICATE IS ISSUED IN THE NAME OF Jim Hall WHO HAS BEEN DESIGNATED
BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF
APPROVAL AS FOLLOWS:

ASBESTOS

Paint Chips, Soil, Dust Wipes

Examination For:

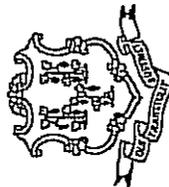
Bulk - Identification (PLM, TEM)
Air - Fiber Counting (PCM, TEM)
Water - TEM

Examination For:

Lead

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES September 30, 2010 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH
DATED AT HARTFORD, CONNECTICUT, THIS 29th DAY OF September 2008



Registration No.

PH-0170

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION