

**ENVIRONMENTAL REVIEW REPORT**

**Community Development Block Grant – Disaster Recovery  
Owner Occupied Rehabilitation and Rebuilding Program**

**Applicant # 1911**

**1062 Reef Road  
Fairfield, Connecticut**

**March 19, 2018**

**Prepared for:**

**QuisenberryArcariMalik, LLC  
195 Scott Swamp Road  
Farmington, Connecticut**

**Prepared by:**

**Stephen Ball  
294 White Deer Rocks Road  
Woodbury, Connecticut**

**STATUTORY CHECKLIST [§58.35(a) activities]  
for Categorical Exclusions and Environmental Assessments**

Note: Review of the items on this checklist is required for both Categorical Exclusions under Sec. 58.35(a) and projects requiring an Environmental Assessment under Sec. 58.36. If no compliance with any of the items is required, a Categorical Exclusion [58.35(a)] may become “exempt” under the provisions of Sec. 58.34 (a) (12). In such cases attach the completed Statutory Checklist to a written determination of the exemption. Projects requiring an Environmental Assessment under Sec. 58.36 cannot be determined to be exempt even if no compliance with Statutory Checklist items is found. Three items listed at Sec. 58.6 are applicable to all projects, including those determined to be exempt.

**Project Name and Identification/Location: Strachan Residence / #1911  
1062 Reef Road Fairfield, Connecticut**

**Project Description:** Miscellaneous interior renovations & finish upgrades, kitchen replacement, siding replacement with insulating backer. Insulate & fire rate the basement ceiling. New entry stairs, decking and railing work.

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
<b>Document Laws and authorities listed at 24 CFR Sec. 58.5</b>							
1. Historic Properties [58.5(a)] [Section 106 of NHPA]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consulted with SHPO; Building built in 1979. SHPO determined the property is located in the Fairfield Beach Historic District and the proposed undertaking will have no adverse effect on the Historic District. See attached SHPO letter dated 4/29/14.
2. Floodplain Management [58.5(b)] [EO 11988] [24 CFR 55]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Located in Flood Zone AE based on FEMA – Map Number 09001C0438G Revised July 8, 2013. See attached FIRMLET.
3. Wetland Protection [58.5 (b)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Anticipated impacts on wetlands minimal due to majority of activities limited to pre-storm building footprint. Consulted Town of Fairfield Inland Wetlands. No mapped wetlands. See attached map from Town of Fairfield Inland Wetlands.
4. Coastal Zone Management [58.5(c)] [CGS 22a-100(b)]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site is located within the Coastal Boundary as mapped by DEEP. Survey prepared by Kathryn Nora Strachan is attached.
5. Water Quality – Aquifers [58.5(d)] [40 CFR 149] Clean Water Act 1977 Safe Drinking Water Act 1974	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water Quality – N/A Project does not involving on-site water and sewer facilities nor is it in a sole source aquifer zone.
6. Endangered Species [58.5(e)] [16 U.S.C. 1531 et seq.] [CGS 26-310]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NOT LOCATED AT WATERFRONT PROPERTIES WITH SANDY BEACHES - consulted with Department of Interior Fish and Wildlife Database – No critical habitats within the project area. See attached Department of Interior Fish and Wildlife report dated February 19, 2018.

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
7. Wild and Scenic Rivers [58.5 (f)] [16 U.S.C. 1271 et seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Eightmile River is only designated wild & scenic river within program area running through Lyme, Salem and East Haddam, CT (rivers.gov; November 2012)
8. Air Quality [58.5(g)] [42 U.S.C. 7401 et seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Air Act, State Implementation Plan, HUD & EPA Regulations; in general, residential rehabilitation exempted w/no quantifiable increase in air pollution.
9. Farmland Protection [58.5(h)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Agricultural land use conversion not anticipated. Adverse effects to agricultural resources are not anticipated; clearly defined urban areas . Location not considered protected farmland
Manmade Hazards:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A for projects that do not add density
10 A. Thermal Explosive [58.5(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A for projects that do not add density
10 B. Noise [58.5(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to project – restoration of structure substantially as it existed prior to Super Storm Sandy.
10 C. Airport Clear Zones [58.5 (i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable - Two (2) FAA designated Commercial Service airports in program area: Tweed New Haven Regional and Groton-New London. This property is not located in an Airport Clear Zone. Property does not involve the purchase or sale of an existing property in an airport zone. The property is approximately 21 miles from Tweed New Haven Airport.
10 D. Toxic Sites [58.5 (i)(2)(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The site has no known toxic history based on the attached Toxix Site Certification. The site: 1) is not listed on EPA Superfund National Priorityies or CERCLA list. 2) is not located within 3,000ft of a toxic or solid waste landfill. 3) is not known to have an undergroud storage tank (which is not an undergroud storage fuel tank). 4) Is not known or suspected to be contaminated by radioactive chemicals or radioactive materials.
11. Environmental Justice [58.5(j)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Executive Order 12898 Program activities do not anticipate high & adverse human health and environmental effects on minority or low-income populations;
<b>Document Laws and authorities listed at Sec. 58.6 and other potential environmental concerns</b>							

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
12 A. Flood Insurance [58.6(a) & (b)]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Located in Zone AE – Map Number 09001C0438G Revised July 8, 2013. See attached FIRMLET Flood insurance required.
12 B. Coastal Barriers [58.6(c)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Property is not located in a Coastal Barrier Resource Zone. No Coastal Barriers identified in Fairfield.
12 C. Airport Clear Zone Notification [58.6(d)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable - Two (2) FAA designated Commercial Service airports in program area: Tweed New Haven Regional and Groton-New London. This property is not located in an Airport Clear Zone. Property does not involve the purchase or sale of an existing property in an airport zone.
13 A. Solid Waste Disposal [42 U.S.C. S3251 et seq.] and [42 U.S.C. 6901-6987 eq seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Resource Conservation and Recovery Act and Solid Waste Disposal Act; Residential Exemption
13 B. Fish and Wildlife [U.S.C. 661-666c]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fish and Wildlife Coordination Act: Program activities will not result in impounding, diverting, deepening, channelizing or modification of any stream or body of water; not a water control project.
13 C. Lead-Based Paint [24 CFR Part 35] and [40 CFR 745.80 Subpart E]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No Lead paint found - See attached Limited Hazardous Materials Inspection Report from Eagle Environmental dated January 3, 2018.
13 D. Asbestos	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Asbestos not found – See attached Limited Hazardous Materials Inspection Report from Eagle Environmental dated January 3, 2018.
13 E. Radon [50.3 (i) 1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radon concentration less than 4 picocuries per liter of air. See attached Limited Hazardous Materials Inspection Report from Eagle Environmental dated January 3, 2018. No action required.
13 F. Mold	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No Mold Found - See attached Limited Hazardous Materials Inspection Report from Eagle Environmental dated January 3, 2018.
Other: State or Local 14 A. Flood Management Certification [CGS 25-68]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Property inside Flood Zone AE on FEMA map 09001C0438G Revised July 8, 2013. Certification through the General Permit for CDBG-DR activities with DEEP required. Property is in compliance with NHIP and is not substantially damaged. Per federal regulations and program guidelines, for site-specific projects located in the 100-year flood plain, the assisted homeowners are required to maintain flood insurance in the amount of the loan, in perpetuity. Flood insurance requirements must also extend to subsequent owners.
14 B. Structures, Dredging & Fill Act [CGS 22a-359 through 22a-363f]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable – this project is not waterward of the Coastal Jurisdiction Line.

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
14 C. Tidal Wetlands Act [CGS 22a-28 through 22a-35]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not located in Tidal wetland area. See attached National Wetlands Inventory Map.
14 D. Local inland wetlands/watercourses [CGS 22a-42]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not located in wetlands - see attached map from Town of Fairfield Inland Wetlands
14 E. Various Municipal Zoning Approvals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structure already elevated – See attached elevation certificate and permits.

**DETERMINATION:**

- This project converts to Exempt, per §58.349a)(12), because it does not require any mitigation for compliance with any listed statutes or authorities, nor requires any formal permit or license. Funds may be drawn down for this (now) EXEMPT project; **OR**
- This project cannot convert to Exempt because one or more statutes/authorities requires consultation or litigation. Complete consultation/mitigation requirements, publish NOI/RROF and obtain Authority to Use Grant Funds (HUD 7015.16) per §58.70 and 58.71 before drawing down funds; **OR**
- The unusual circumstances of this project may result in a significant environmental impact. This project requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

Prepared by:

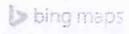
Name: Stephen Ball

Date: 1/18/18

Responsible Entity or designee Signature:

Hermia Delaire  
Hermia Delaire, CDBG-DR Program Manager

Date: 3/19/2018



1062 Reef Rd, Fairfield, CT 06824

Location: 41.1301, -73.24542

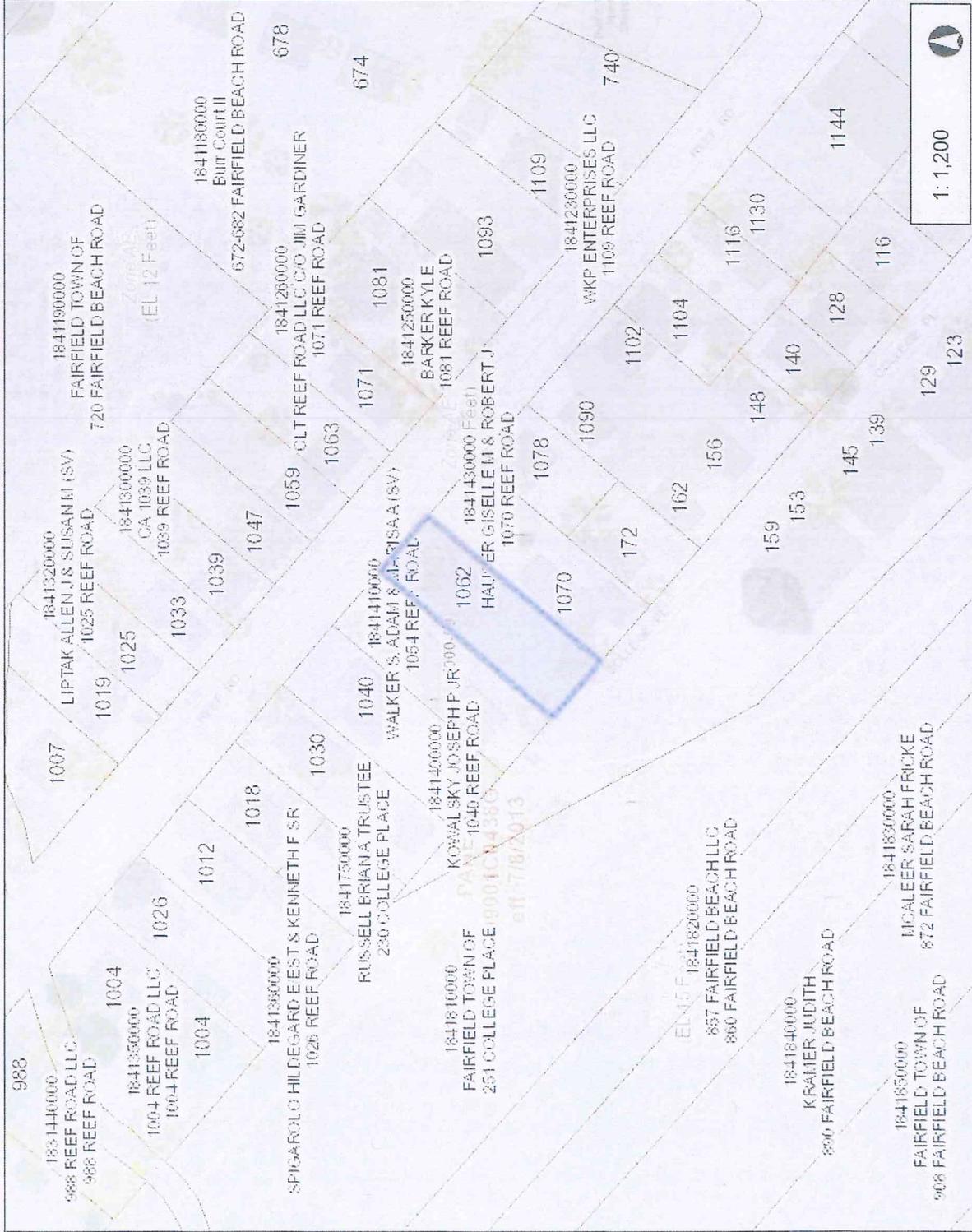
Type your notes here.



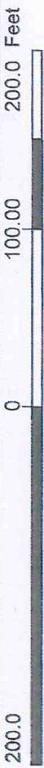


# Town of Fairfield

# 1062 Reef Road Fairfield, CT



1:1,200



### Legend

- Parcels
- FIRM Panels
- Cross-Sections
- Base Flood Elevations
- Limit of Moderate Wave Action
- Flood Hazard Boundaries
- Other Boundaries
- Limit Lines
- SFHA / Flood Zone Boundary
- Flood Hazard Zones
  - 1% Annual Chance Flood Hazard
  - Regulatory Floodway
  - Special Floodway
  - Area of Undetermined Flood Hazard
  - 0.2% Annual Chance Flood Hazard
  - Future Conditions 1% Annual Chan
  - Area with Reduced Risk Due to Lev
- Local Basin Boundary
  - Major
  - Regional
  - Subregional
  - Local
- Local Basin Area

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.  
THIS MAP IS NOT TO BE USED FOR NAVIGATION

WGS 1984 Web Mercator Auxiliary Sphere  
Created by Greater Bridgeport Regional Council



## 1062 REEF ROAD

**Location** 1062 REEF ROAD **Mblu** 184/ 142/ / /  
**Acct#** 00622 **Owner** STRACHAN KATHRYN NORA  
**Assessment** \$302,260 **Appraisal** \$431,800  
**PID** 17000 **Building Count** 1

### Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$85,700	\$346,100	\$431,800

Assessment			
Valuation Year	Improvements	Land	Total
2015	\$59,990	\$242,270	\$302,260

### Owner of Record

**Owner** STRACHAN KATHRYN NORA **Sale Price** \$0  
**Co-Owner** **Certificate**  
**Address** 1062 REEF RD **Book & Page** 757/ 995  
FAIRFIELD, CT 06824-6539 **Sale Date**

### Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
STRACHAN KATHRYN NORA	\$0		757/ 995	

### Building Information

#### Building 1 : Section 1

**Year Built:** 1979  
**Living Area:** 1,100  
**Replacement Cost:** \$92,340  
**Building Percent:** 88  
**Good:**  
**Replacement Cost:**  
**Less Depreciation:** \$81,300

#### Building Photo

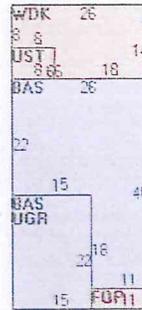


(<http://images.vgsi.com/photos/FairfieldCTPhotos//\02\03\89\6>)

Building Attributes	
Field	Description
Style	Raised Ranch
Stories:	1 Story
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asphalt
Interior Wall 1	Drywall
Interior Wall 2	

Interior Flr 1	Wood Laminate
Interior Flr 2	
Heat Fuel	Gas
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	3 Bedrooms
Total Bthrms:	1
Total Half Baths:	1
Total Xtra Fixtrs:	
Total Rooms:	3
Bath Style:	Average
Kitchen Style:	Average
FCPZ	Compliant

### Building Layout



Building Sub-Areas (sq ft)			
Code	Description	Gross Area	Living Area
BAS	First Floor	1,100	1,100
FOP	Porch, Open, Finished	44	0
UGR	Garage, Under	330	0
UST	Utility Storage, Unfinished	48	0
WDK	Deck, Wood	316	0
		1,838	1,100

### Extra Features

Extra Features

Code	Description	Size	Value	Bldg #
FPL1	1.0 STORY FIREPLACE	1 UNITS	\$4,400	1

**Land**

**Land Use**

**Use Code** 1010  
**Description** Single Fam MDL-01  
**Zone** B  
**Neighborhood** 0067  
**Alt Land Appr Category** No

**Land Line Valuation**

**Size (Acres)** 0.17  
**Depth** 0  
**Assessed Value** \$242,270  
**Appraised Value** \$346,100

**Outbuildings**

Outbuildings	<u>Legend</u>
No Data for Outbuildings	

**Valuation History**

Appraisal			
Valuation Year	Improvements	Land	Total
2015	\$85,700	\$346,100	\$431,800
2014	\$52,700	\$504,100	\$556,800
2013	\$52,700	\$504,100	\$556,800

Assessment

<b>Valuation Year</b>	<b>Improvements</b>	<b>Land</b>	<b>Total</b>
2015	\$59,990	\$242,270	\$302,260
2014	\$36,890	\$352,870	\$389,760
2013	\$36,890	\$352,870	\$389,760

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Sm 1911



Department of Economic and  
Community Development

Connecticut  
still revolutionary

April 29, 2014

Hermia M. Delaire, Program Manager  
CDBG-Sandy Disaster Recovery Program  
Department of Housing  
505 Hudson Street  
Hartford, CT 06106

received  
4-7-14 DDK

RE: Applicant: 1062 Reef Road, Fairfield, CT

Dear Ms. Delaire:

The State Historic Preservation Office (SHPO) has reviewed the above-named project. The property is located within the National Register eligible Fairfield Beach Historic District; however, in the opinion of the SHPO, the proposed undertaking will have no adverse effect upon historic district.

This office appreciates the opportunity to have reviewed and commented upon the project.

We recommend that the responsible federal agency provide concerned citizens with the opportunity to review and comment upon the proposed undertaking in accordance with the National Historic Preservation Act of 1966.

For further information, please contact Julie Carmelich at (860) 256-2762.

Sincerely:

Daniel T. Forrest  
State Historic Preservation Officer



MAP SCALE 1" = 500'



# NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0438G

## FIRM FLOOD INSURANCE RATE MAP FAIRFIELD COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 438 OF 626  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BRIDGEPORT, CITY OF	090002	0438	G
FAIRFIELD, TOWN OF	090007	0438	G

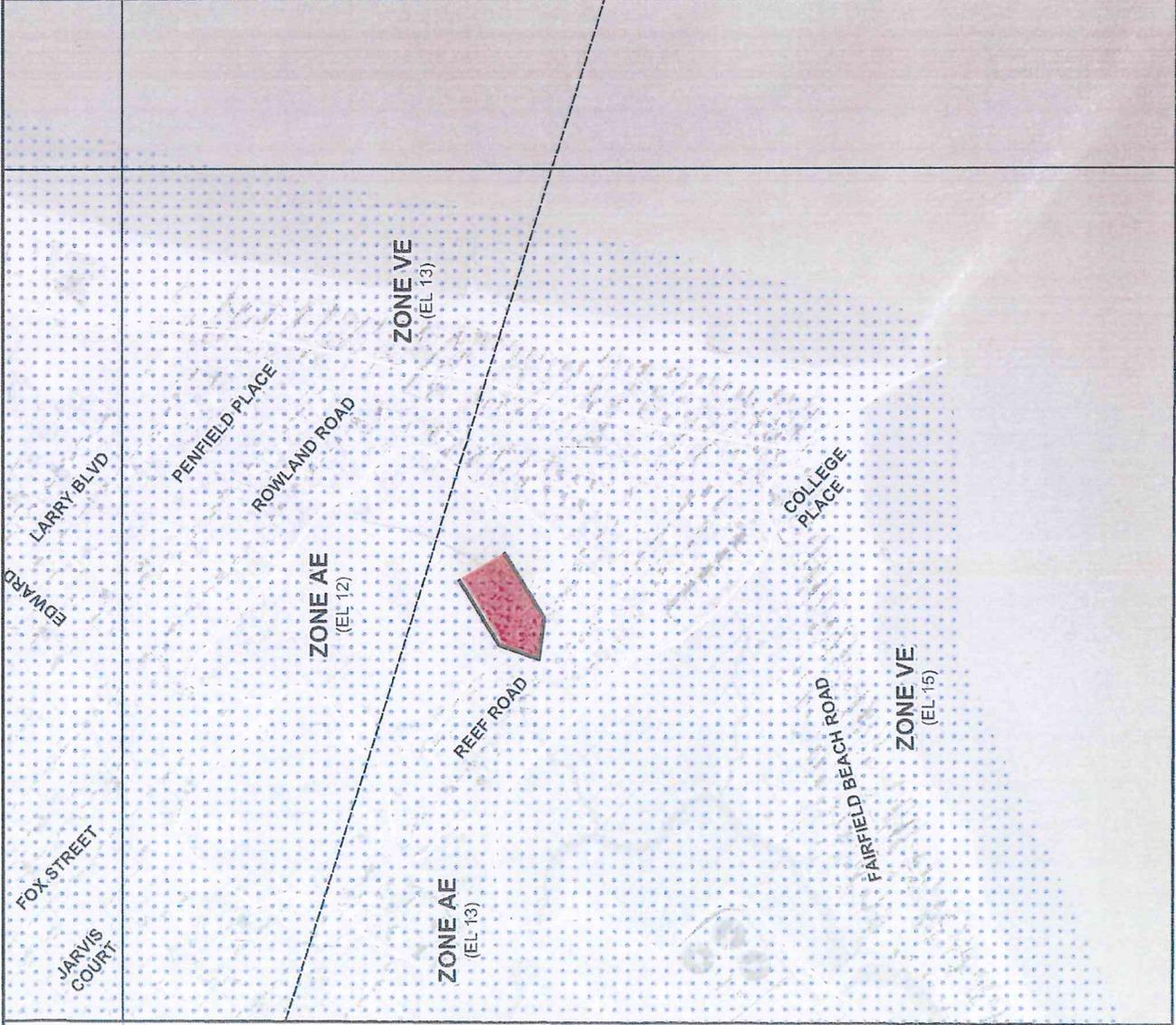
NOTE:  
THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER SYSTEMS ESTABLISHED UNDER THE COASTAL BARRIER REPAIR ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER  
09001C0438G  
MAP REVISED  
JULY 8, 2013

Federal Emergency Management Agency



This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps, check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)





U.S. Fish and Wildlife Service

# National Wetlands Inventory

## 1063 Reef Road Fairfield CT



U.S. Fish and Wildlife Service, National Standards and Support Team  
wetlands\_team@fws.gov

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

February 19, 2018

### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

National Wetlands Inventory (NWI)  
This page was produced by the NWI mapper





## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
New England Ecological Services Field Office  
70 Commercial Street, Suite 300  
Concord, NH 03301-5094  
Phone: (603) 223-2541 Fax: (603) 223-0104  
<http://www.fws.gov/newengland>

In Reply Refer To:  
Consultation Code: 05E1NE00-2018-SLI-1028  
Event Code: 05E1NE00-2018-E-02320  
Project Name: 1062 Reef Road

February 19, 2018

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

## **Official Species List**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**New England Ecological Services Field Office**  
70 Commercial Street, Suite 300  
Concord, NH 03301-5094  
(603) 223-2541

## Project Summary

Consultation Code: 05E1NE00-2018-SLI-1028

Event Code: 05E1NE00-2018-E-02320

Project Name: 1062 Reef Road

Project Type: Federal Grant / Loan Related

Project Description: Superstorm Sandy renovations to home on .17 acres.

### Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/41.129896001001086N73.24530193200123W>



Counties: Fairfield, CT

## Endangered Species Act Species

There is a total of 2 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

### Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Threatened

### Birds

NAME	STATUS
Red Knot <i>Calidris canutus rufa</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a>	Threatened

### Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



# EAGLE Environmental, Inc.

- Industrial Hygiene / IAQ
- Hazardous Building Materials
- Environmental Assessments
- Laboratory Services & Training

January 3, 2018

Ms. Kathryn Strachan  
Quisenberry Arcari Architects, LLC  
318 Main Street  
Farmington, Connecticut 06032

**RE: Environmental Assessment Report  
Department of Housing  
CDBG-DR – Sandy Disaster Recovery Program  
1062 Reef Road  
Fairfield, Connecticut  
Application #2409  
Eagle Project No. 17-078.12T1**

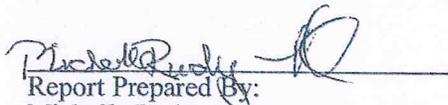
Dear Ms. Strachan:

Please find the Environmental Assessment Report conducted at 1062 Reef Road located in Fairfield, Connecticut (Site). The environmental assessment was performed in support of the planned renovations/repairs to the Site building under the State of Connecticut Department of Housing Community Development Block Grant – Disaster Recovery Program (Program). The assessment focused only on those areas of the building that are scheduled for renovation/repair work. The proposed scope of renovation/repair work was provided to Eagle Environmental, Inc. (Eagle) by Quisenberry Arcari Architects, LLC (QAA).

This assessment and report is intended to satisfy the review process of the National Environmental Policy Act (NEPA) Statutory Checklist Sections 13C (Lead-Based Paint), 13D (Asbestos), 13E (Radon) and 13F (Mold).

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:  
Michelle Rudy  
Senior Environmental Consultant

  
Report Reviewed By:  
Aaron E. Hatcher  
Project Manager

\\Eaglesvr\public\2017 Files\2017 Reports\Quisenberry Arcari\1062 Reef Rd\1062 Reef Rd - Enviro Assessment Report.doc

8 SOUTH MAIN STREET, SUITE 3 • TERRYVILLE, CT 06786  
PHONE (860) 589-8257 • FAX (860) 585-7034

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## 1. INTRODUCTION

On November 30, 2017, Eagle Environmental, Inc. conducted an environmental assessment of portions of the Site building located at 1062 Reef Road in Fairfield, Connecticut. The scope of the environmental assessment included an inspection for asbestos-containing materials, a dust-lead hazard assessment, radon testing and a visual inspection for microbial contamination.

### 1.1 Inspection Area Description

The inspection area included those areas of the building that will be impacted by planned renovation work. The areas of inspection were determined by reviewing the architectural plans provided in Quisenberry Arcari Architects, LLC (QAA)'s Project Scope dated October 27, 2017. For the purpose of this project, the following are areas that will be impacted by planned renovations:

- Walls in various locations within the residence
- Exterior shingle siding and trim components

In addition to testing the areas of the building that will be impacted by the renovation work, an assessment to determine if dust-lead hazards were present was performed throughout the Site building. Physical testing of painted surfaces was not required as the Site building is not considered "Target Housing" (built before 1978).

## 2. SCOPE OF INSPECTION

### 2.1 Asbestos Containing Materials

The asbestos inspection was conducted to identify and sample suspect asbestos-containing materials within the areas that will be impacted in order to support the proposed renovation or repair work. Although federal regulations requiring asbestos inspection do not pertain to a residential structure containing less than five (5) units, demolition or renovation activities which may disturb asbestos would be unauthorized under the State of Connecticut Department of Public Health (DPH) regulations. Disposal of asbestos containing waste in unauthorized landfills is also prohibited. The inspection was performed to facilitate compliance with these applicable abatement and disposal regulations.

The asbestos inspection was performed by Michelle Rudy; a State of Connecticut licensed Asbestos Inspector (license #000848).

### 2.2 Lead-based Paint

A lead-based paint hazard screen is required for "Target Housing" in order to comply with the Department of Housing and Urban Development (HUD) Lead Safe Housing Rule (24 CFR 35) for a residential property receiving Federal rehabilitation assistance under a program administered by HUD. The scope of lead-based paint consulting services was modified for this non-target housing structure.

Certain lead-based paint requirements apply to each project depending on the level of Federal Funding allocated. The lead-based paint requirements include the following for each level of funding:

1. Residential property receiving \$5,000 or less per unit (Not Applicable to this Project):
  - a. Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.
  - b. Conduct a risk assessment in each unit receiving Federal funds, in common areas and the exteriors.
  - c. Interim control measures may be utilized throughout the building
  - d. Lead safe work practices are to be utilized during rehabilitation work that will disturb painted surfaces.
  - e. After the completion of any rehabilitation work that has disturbed painted surfaces, clearances are to be performed.
2. Residential property receiving between \$5,000 and \$25,000 per unit:
  - a. **Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.**
  - b. **Lead safe work practices are to be utilized during rehabilitation work that will disturb lead-based painted surfaces.**
  - c. **Perform interim controls on all lead hazards identified during the lead hazard screen.**
  - d. **Perform clearance testing following interim control work and renovations.**
  - e. **Provide notice of lead-hazard reduction within 15 days of completion of work.**
3. Residential property receiving greater than \$25,000 per unit:
  - a. Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.
  - b. Conduct a risk assessment in each unit receiving Federal funds, in common areas and the exteriors.
  - c. Abate all interior lead-based paint hazards identified during the lead inspection/risk assessment. Interim controls are acceptable on exterior surfaces that are not disturbed by rehabilitation and on paint-lead hazards that are below the de minimus levels.
  - d. Lead safe work practices are to be utilized during rehabilitation work that will disturb painted surfaces.

- e. Perform clearance testing following abatement work.
- f. Provide notice of lead-hazard reduction within 15 days of completion of work.

The inspected Site building was built after 1978; therefore, physical surface testing was not conducted. Although surface testing was not conducted, the Lead Inspector/Risk Assessor collected dust wipes on horizontal floors and window sills throughout the Site building to determine if dust-lead hazards are present.

The assessment was performed by Michelle Rudy; a State of Connecticut licensed Lead Inspector/Risk Assessor (license # 002197).

In addition to HUD's Lead Safe Housing Rule, the State of Connecticut Department of Public Health Lead Poisoning Prevention and Control regulations apply when a child under the age of six (6) years old lives in the residence at the time of the inspection.

### **2.3 Radon Testing**

Radon testing for this program is performed on a case-by-case basis. Buildings which are constructed on piers or will be elevated with the lowest level not in contact with the ground are not considered for radon testing.

Buildings which are not elevated off the ground are tested for radon under this Program. Radon testing is performed to comply with the National Environmental Policy Act (NEPA).

In this case, the building was elevated on piers and the ground level space was enclosed with concrete block walls and a concrete floor to make a non-habitable storage space. Because the storage space was enclosed, it was tested for radon.

### **2.4 Mold Inspection**

Eagle performed a visual inspection for the presence of suspect mold within the inspection areas. The inspection included an investigation for indications of microbial growth including visible presence of microbial growth, discoloring of building materials, mal odors and water intrusion. The inspection was visual in nature and did not include any sampling or destructive investigations behind rigid walls or ceilings.

## **3. INSPECTION PROTOCOLS**

### **3.1 Asbestos Containing Materials**

#### **3.1.1 Inspection**

The asbestos-containing materials (ACM) inspection included the accessible interior and exterior portions of the building that will potentially be impacted by the proposed renovation/repair work. The inspection did not include areas outside of the proposed renovation/repair work areas.

Semi-destructive testing techniques were utilized during the inspection process. This included removing small pieces of suspect materials for analysis (bulk sampling). Only those building materials that will be

impacted by the proposed renovation/repair work were sampled. Wood, glass, metal and fiberglass are not defined as suspect materials and are not sampled.

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. An estimated quantity of identified ACM is provided for positive materials only. The materials are quantified in linear or square feet, depending on the nature of the material.

### **3.1.2 Bulk Sampling**

During the sampling process, suspect ACM is separated into three (3) USEPA categories. These categories are: Thermal System Insulation (TSI), Surfacing Materials (SURF), and Miscellaneous materials (MISC). 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.

Bulk sampling was performed in a random method. Bulk sampling methods and number of samples collected meets or exceeds the USEPA requirements.

### **3.1.3 Bulk Sample Analysis**

The samples of the suspect asbestos containing materials were 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 the determination of the presence of asbestos in one sample in the set, 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.

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 an 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 Energy and 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.

#### **3.1.3.1 Friable ACM Analysis**

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. No samples were further analyzed by the PLM Point Count Method for 1062 Reef Road.

#### **3.1.3.2 Non Friable ACM Analysis**

Certain samples of organically bound 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 organically bound materials for asbestos. Suspect materials confirmed by NOB TEM to be "less than 1% asbestos", "TRACE" or "NAD" are considered non-asbestos containing. No samples were further analyzed by the NOB TEM Method for 1062 Reef Road.

### **3.2 Lead-based Paint**

A lead hazard screen utilizing an X-Ray Fluorescence (XRF) Lead Paint Analyzer was not necessary as it was determined through public records that the building was built after 1978.

Dust sampling was performed to evaluate potential dust-lead hazards originating from off-Site sources. Samples are collected utilizing a single-ply disposable ASTM wipe as the sampling media. Where feasible, samples are collected from hard, smooth surfaces such as floors and window sills. The sampling area is one (1) square foot or a fraction of a square foot, depending on the sampling surface size. The inspector utilizes disposable latex gloves during the sampling procedure so as not to cross-contaminate the samples.

A sample from a component with a large area, such as a floor, is collected by passing a wipe over a one (1) square foot sampling area in an "S" type motion. The first pass starts at the top of the square foot area and continues vertically downward. The second pass starts at the side of the square foot area and continues laterally. The third pass starts at the top left corner of the square foot area and continues diagonally to the bottom right corner. A sample from a component with a smaller area, such as a window sill, is collected by passing a wipe over the entire area with an "S" type motion and measuring the component area wiped. The wipe samples are then placed directly into fifty (50) milliliter centrifuge tubes. Two (2) wipe samples are submitted to the laboratory for each forty (40) samples collected for analysis; not to exceed five (5) blanks total.

Currently, the HUD risk assessment criteria for dust-lead hazards are 40 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ) on floors and 250  $\mu\text{g}/\text{ft}^2$  on window sills. Dust wipe samples with concentrations of lead that exceed these levels are considered lead hazards.

Dust samples were analyzed by EMSL Analytical of Cinnaminson, New Jersey. EMSL is a State of Connecticut approved laboratory for dust wipe analysis.

Soil sampling was not performed as there were no bare soil areas observed at the time of the inspection.

### **3.3 Radon Testing**

Although the Site building was raised on piers, the ground floor level was enclosed with concrete masonry unit walls and a concrete floor and functioned as a storage space.

Eagle Environmental placed one (1) radon canister within the building. The canister was placed by Michelle Rudy on November 20, 2017 and was retrieved by Alexis St. Hilaire on December 4, 2017. The United States Environmental Protection Agency (USEPA) recommends that the test measurements be performed in the lowest level of the building. The canister was placed within the ground level storage area located below the main house.

The radon testing device utilized for the radon measurements is an Activated Charcoal Adsorption Devices or charcoal canister. The canister is placed in the center of the room where feasible. The testing location was away from any drafts or excessive air movements and windows and doors remained closed during the testing period. The measurements that are taken are considered short-term tests. A short-term test is conducted from two to nine days.

The charcoal canister was sent to Radon Testing Corporation of America (RTCA) of Elmsford, New York for analysis. RTCA is listed in the USEPA Radon Measurement Proficiency (RMP) Program.

### **3.4 Mold Inspection**

Eagle Environmental, Inc. performed a visual inspection within the limits of the inspection area for potential microbial growth. The visual inspection was performed to evaluate building materials for signs of water damage and suspect microbial growth. Building materials such as gypsum board, cellulose ceiling tiles, paper pipe coverings or duct coverings and heating, ventilation and air conditioning components were visually assessed. Only visible, accessible materials were inspected within the proposed areas of renovation/repair.

Discoloration and decay of the aforementioned building materials may signify mold growth. Water damage or damp conditions may also signify suitable conditions for mold growth.

Suspect mold growth or conditions that may sustain mold growth were documented during the inspection process. In general, the location, color of suspect growth and estimated quantity of impacted building materials were recorded during the inspection process.

Eagle used an Extech Instruments Model MO290 Moisture/Humidity Meter to measure the relative moisture content of accessible representative building materials that may

have been impacted by water during the storm. A "dry standard" for each component was determined by averaging the moisture measurements for materials in un-impacted areas. The "dry standard" was used as a baseline comparison to determine if the materials were wet. Moisture measurements were recorded on the Mold Moisture Reading Form.

#### 4. INSPECTION RESULTS

##### 4.1 Asbestos Containing Materials

During the course of the building inspection ten (10) bulk samples of suspect ACM were collected of which ten (10) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory.

No asbestos was detected in any of the sampled materials.

The summaries of asbestos and non-asbestos materials are presented in Tables I and II respectively. The asbestos analysis laboratory reports are provided in Appendix 2.

Any suspect material not specifically identified in this report as non-ACM should be assumed to contain asbestos unless sample results prove otherwise.

##### 4.2 Lead-based Paint

###### 4.2.1 XRF Testing

Physical paint testing was not performed as the residence was built after 1978 and therefore is not considered "Target Housing" by HUD.

###### 4.2.2 Dust Hazards

A total of ten (10) dust wipes were collected at the time of inspection. No dust-lead hazards were identified at the sampled locations. Eagle Environmental, Inc. recommends that the residents continue to follow their regular cleaning regimen.

A copy of the dust sample laboratory report may be found in Appendix 3.

###### 4.2.3 Soil Hazards

No soil samples were collected at the time of inspection as there were no bare areas of soil identified. The owner may maintain the ground cover in its current condition.

##### 4.3 Radon

Radon is measured in Picocuries of radon per Liter of air or pCi/L. The USEPA has set a national action level of 4 pCi/L. Ambient concentrations of radon are approximately 0.4 pCi/L of radon for outside air. The USEPA recommends that short term tests that have results of 4 pCi/L or greater be confirmed with a second short-term test. Two short-term tests with results equal to or greater than 4 pCi/L require that radon mitigation be performed.

The result of the radon testing was 0.6 pCi/L, which is below the USEPA action level. No further action regarding radon is required.

The Radon testing laboratory reports are provided in Appendix 4.

#### **4.4 Mold**

The owner stated that the building had been remediated for mold growth in the year 2013, when the house was raised. There was no evidence of water intrusion, staining or damage on the ceilings, walls or floors within the Site building.

The mold inspection forms are provided in Appendix 5.

#### **5. COST ESTIMATES**

It is not necessary to provide a cost estimate as there were no hazards found under this scope of work. Other regulated or hazardous materials may be present that were not inspected for under this scope of services.

**TABLE I**

**ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE**

**TABLE I**  
**ASBESTOS CONTAINING MATERIALS**  
**SUMMARY TABLE**  
**1062 REEF ROAD**  
**FAIRFIELD, CONNECTICUT**

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS				ESTIMATED QUANTITY	F/NF
				PLM	PLM PC	TEM	NOB		
NO ASBESTOS WAS DETECTED DURING THIS SCOPE OF WORK									

**TABLE II**

**NON ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE**

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KEY FOR TABLE II

\* Please utilize the following key for abbreviations used in Table II

KEY	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	PLM = EPA 600/R-93/116
NF = NON-FRIABLE	PS = Previously Sampled
TSI = THERMAL SYSTEMS INSULATION	EA = Each
SURF = SURFACING MATERIAL	
MISC = MISCELLANEOUS MATERIAL	
	SF = SQUARE FEET
	LF = LINEAR FEET
	Chrys = Chrysotile
	Amos = Amosite
	Anth = Anthophyllite
	Trem = Tremolite
	Croc = Crocidolite

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

**TABLE II  
NON-ASBESTOS CONTAINING MATERIALS  
SUMMARY TABLE  
1062 REEF ROAD  
FAIRFIELD, CONNECTICUT**

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
Living Room, Work Room	Sheetrock	11-30-MIR-01	MISC	NAD			NO
		11-30-MIR-02		NAD			
Living Room, Work Room	Joint compound	11-30-MIR-03	MISC	NAD			NO
		11-30-MIR-04		NAD			
Living Room, Work Room	Sheetrock/joint compound composite	11-30-MIR-05	MISC	NAD			NO
		11-30-MIR-06		NAD			
Façade A, Façade C	Felt backer paper - black	11-30-MIR-07	MISC	NAD			NO
		11-30-MIR-08		NAD			
Façade A, Façade C	Fiberboard backing - grey	11-30-MIR-09	MISC	NAD			NO
		11-30-MIR-10		NAD			

**APPENDIX 1**  
**FLOOR PLANS**

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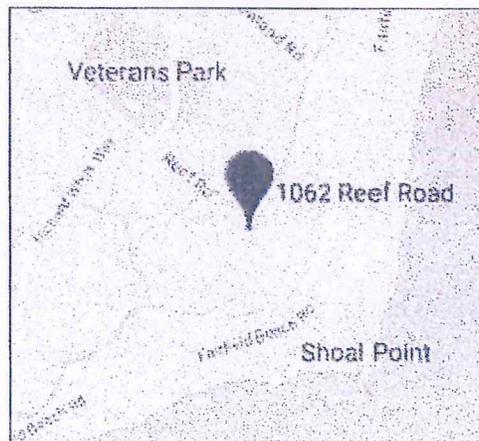
# QUISENBERRY ACARI, LLC.

1062 REEF ROAD  
FAIRFIELD, CONNECTICUT  
EAGLE PROJECT NUMBER: 17-078.12T1

## INDEX OF DRAWINGS

SP-1	SITE PLAN
FP-1	FLOOR PLAN

### LOCATION MAP



DECEMBER 28, 2017



8 SOUTH MAIN STREET, SUITE 3  
TERRYVILLE, CONNECTICUT 06786  
860-589-8257



SIDE-C



SIDE-B

SIDE-D

### FLOOR PLAN

NOT TO SCALE

C = CLOSET EVALUATED WITH ADJACENT ROOM

SIDE-A (STREET SIDE)



**EAGLE**  
Environmental, Inc.

8 SOUTH MAIN STREET, SUITE 3  
TERRYVILLE, CONNECTICUT 06786  
860-589-8257

SHEET NO.

**FP-1**

SHEET 2 OF 2

DATE: 12/12/2017  
PROJECT NO.: 17-078.12T1  
DRAWN BY: BB  
REVIEWED BY: AH

ENVIRONMENTAL ASSESSMENT REPORT  
QUISENBERRY ACARI  
1062 REEF ROAD  
FAIRFIELD, CONNECTICUT

reggiewrpubl:2017 16x11 10/17 acaris/quisenberry acari/1062 reef road/inspector/cca/1062 reef road.dwg

**APPENDIX 2**

**ASBESTOS BULK SAMPLE LABORATORY REPORTS**

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OrderID: 041734429

Chain of Custody



EMSL Order Number (Lab Use Only):	041734429
Additional Analysis Request	
EMSL Order Number	

EMSL ANALYTICAL, INC.

EMSL CT       EMSL NYC       EMSL Corporate  
 29 N. Plains Hwy, # 4      307 West 38th Street      200 Route 130 North  
 Wallingford, CT 06492      New York, NY 10018      Cinnaminson, NJ 08077  
 Phone: 203-284-5948      Phone: 212-290-0051      Phone: 800-220-3675

E Environmental, Inc.	EMSL Acct # EEVM50	Project Manager: Aaron E Hatcher	Proj #: 17-078.12T1
8 South Main Street, Suite 3, Terryville, CT 06786		Project: Quisenberry - 1062 Reef Rd	
Report To: Brandy LeBlanc	Phone: 860-589-8257	US State Collected: CT	Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt
Email All Results to: <input checked="" type="checkbox"/> bleblanc@eagleenviro.com	<input checked="" type="checkbox"/> rsioch@eagleenviro.com <input checked="" type="checkbox"/> dwynne@eagleenviro.com	Samples Collected by (Name): Michelle Rudy	Date(s) Collected: 11/30/17
Additional Contacts to Receive Email Results: tpoitras@eagleenviro.com			
<input type="checkbox"/> Verbal Results: Contact Name and Phone #:			

Turnaround Time (TAT) Options - Please Check Box Below <24 HR TAT's Call Ahead to Confirm Lab Availability. Not all TAT options are valid for every test (7402, PLM NOB & 400 PC w/Gravimetric Reduction, TEM NOB, Culturable Fungi)

<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour	<input type="checkbox"/> 72 Hour	<input type="checkbox"/> 96 Hour	<input checked="" type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Week
---------------------------------	---------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	--	---------------------------------

Based on the turnaround time selected above, it is our belief that results are due on or before this Date & Time:

Asbestos	Lead (Pb) Flame Atomic Absorption	Microbiology
TEM: Air <input type="checkbox"/> 4 - 4.5 Hour Turnaround Time (AHERA ONLY) <input type="checkbox"/> AHERA 40 CFR, Part 763, Sub E <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II PLM: Bulk <input checked="" type="checkbox"/> 600/R-93/116 <input type="checkbox"/> PLM NOB w/Gravimetric Reduction <input type="checkbox"/> 400 Point Count <input type="checkbox"/> 400 Point Count w/Gravimetric Reduction TEM: Bulk <input type="checkbox"/> TEM EPA NOB TEM: Dust <input type="checkbox"/> ASTM Microvac <input type="checkbox"/> ASTM Wipe <input type="checkbox"/> Qualitative Other:	<input type="checkbox"/> Air: NIOSH 7082 RL: 4µg/filter <input type="checkbox"/> Soil: SW846-7000B RL: 40 mg/kg (ppm) <input type="checkbox"/> Chips: SW846-7000B RL: 0.01% <input type="checkbox"/> % by weight <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> ppm <input type="checkbox"/> Wipe: SW846-7000B RL: 10 µg/wipe <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <small>Assumed non ASTM if no box is checked</small> Other:	<b>Air Samples</b> <input type="checkbox"/> Fungi (Spore Trap) Allergenco-D Test: M032 <input type="checkbox"/> Fungi Culturable Genus Level ID Test: M005 <b>Swab, Tape Lift, Bulk Samples</b> <input type="checkbox"/> Mold & Fungi Direct Exam Test: M041 <input type="checkbox"/> Fungi Culturable Test: M007 (No Tape Lifts) Other:

Eagle Lab Instructions/Comments:  
 Asbestos: Air - Do Not Analyze Outsides or Blanks Unless Authorized by Eagle - Bulk - Please Stop on First Positive Within Sets  
 Lead:  
 Microbiology:

Sample #	I/O HA#	Sample Description	Sample Location	Volume (L) Area Sampled	Date/Time Sampled
11-30-MIR-01		Sheetrock	1 <sup>st</sup> Floor Living Room	NAD	
11-30-MIR-02		Sheetrock	Work		
11-30-MIR-03		Joint compound	1st Floor Living Room		
11-30-MIR-04		Joint compound	Work		
11-30-MIR-05		Sheetrock/joint compound composite	1st Floor Living Room		
11-30-MIR-06		Sheetrock/joint compound composite	Work		
11-30-MIR-07		Felt backer paper - black	Façade A		
11-30-MIR-08		Felt backer paper - black	Façade C		
11-30-MIR-09		Fiberboard backing - grey	Façade A		
11-30-MIR-10		Fiberboard backing - grey	Façade C		

RECEIVED  
 EMSL  
 CINNAMINSON, NJ  
 17 DEC - 1 AM 10:20

Client Sample #'s	11-30-MIR-01 - 10	Total # of Samples:	10
Relinquished (Client):	<i>M Rudy</i>	Date:	11/30/17
Received (Lab):	<i>Chris</i>	Date:	12-1-17
Relinquished:	<i>John</i>	Date:	11/30/17
Received:		Date:	



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Tel/Fax: (800) 220-3675 / (856) 786-5974  
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041734429  
Customer ID: EEVM50  
Customer PO:  
Project ID:

Attention: Brandy LeBlanc  
Eagle Environmental, Inc. - CT  
8 South Main Street  
Suite 3  
Terryville, CT 06786  
Project: Quisenberry - 1062 Reef Road / 17-078.12T1

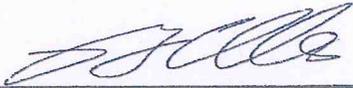
Phone: (860) 589-8257  
Fax: (860) 585-7034  
Received Date: 12/01/2017 9:25 AM  
Analysis Date: 12/07/2017 - 12/08/2017  
Collected Date: 11/30/2017

## 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
11-30-MIR-01 041734429-0001	1st Floor - Living Room - Sheetrock	Brown/White Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
11-30-MIR-02 041734429-0002	Work - Sheetrock	Brown/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
11-30-MIR-03 041734429-0003	1st Floor - Living Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-30-MIR-04 041734429-0004	Work - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-30-MIR-05-Composite 041734429-0005	1st Floor - Living Room - Sheetrock/ Joint Compound	Brown/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
11-30-MIR-06-Composite 041734429-0006	Work - Sheetrock/ Joint Compound	Brown/White Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
11-30-MIR-07 041734429-0007	Façade A - Felt Backer Paper - Black	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
11-30-MIR-08 041734429-0008	Façade C - Felt Backer Paper - Black	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
11-30-MIR-09 041734429-0009	Façade A - Fiberboard Backing - Grey	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
11-30-MIR-10 041734429-0010	Façade C - Fiberboard Backing - Grey	Brown/Gray Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected

Analyst(s)

Christian Strey (5)  
Daniel Fricker (5)

  
Benjamin Ellis, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%  
Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-D, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 12/08/2017 11:31:55

**APPENDIX 3**

**LEAD DUST SAMPLE LABORATORY REPORTS**

---

Chain of Custody



EMSL ANALYTICAL, INC.

EMSL Order Number  
(Lab Use Only): **201712399**  
Additional Analysis Request  
EMSL Order Number

EMSL CT       EMSL NYC       EMSL Corporate  
29 N. Plains Hwy, # 4      307 West 38th Street      200 Route 130 North  
Wallingford, CT 06492      New York, NY 10018      Cinnaminson, NJ 08077  
Phone: 203-284-5948      Phone: 212-290-0051      Phone: 800-220-3675

Environmental, Inc.      EMSL Acct # EEVM50      Project Manager: AH      Proj #: **17078, 12T1**  
8 South Main Street, Suite 3, Terryville, CT 06786      Project: **Quisenberry - 1062 Reef Road, Fairfield**  
Report To: Brandy LeBlanc Phone: 860-589-8257      US State Collected:      CT Samples:  Commercial/Taxable       Residential/Tax Exempt  
Email All Results to:  blebianc@eagleenviro.com      Samples Collected by (Name): **Michelle Rudy**  
 rsioch@eagleenviro.com       dwyne@eagleenviro.com      Signature: **[Signature]**      Date(s) Collected: **11/30/17**  
Additional Contacts to Receive Email Results: ahatcher@eagleenviro.com - tpoitras@eagleenviro.com  
 Verbal Results: Contact Name and Phone #:

Turnaround Time (TAT) Options - Please Check Box Below <24 HR TAT's Call Ahead to Confirm Lab Availability.  
Not all TAT options are valid for every test (7402, PLM NOB & 400 PC w/Gravimetric Reduction, TEM NOB, Culturable Fungi)

3 Hour       6 Hour       24 Hour       48 Hour       72 Hour       96 Hour       1 Week       2 Week

Based on the turnaround time selected above, it is our belief that results are due on or before this Date & Time:

Asbestos	Lead (Pb) Flame Atomic Absorption	Microbiology
TEM: Air <input type="checkbox"/> 4 - 4.5 Hour Turnaround Time (AHERA ONLY) <input type="checkbox"/> AHERA 40 CFR, Part 763, Sub E <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II PLM: Bulk <input type="checkbox"/> 600/R-93/116 <input type="checkbox"/> PLM NOB w/Gravimetric Reduction <input type="checkbox"/> 400 Point Count <input type="checkbox"/> 400 Point Count w/Gravimetric Reduction TEM: Bulk <input type="checkbox"/> TEM EPA NOB TEM: Dust <input type="checkbox"/> ASTM Microvac <input type="checkbox"/> ASTM Wipe <input type="checkbox"/> Qualitative Other:	<input type="checkbox"/> Air: NIOSH 7082 RL: 4µg/filter <input type="checkbox"/> Soil: SW846-7000B RL: 40 mg/kg (ppm) Chips: SW846-7000B RL: 0.01% <input type="checkbox"/> % by weight <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> ppm Wipe: SW846-7000B RL: 10 µg/wipe <input checked="" type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <small>Assumed non ASTM if no box is checked</small> Other:	Air Samples <input type="checkbox"/> Fungi (Spore Trap) Allergenco-D Test: M032 <input type="checkbox"/> Fungi Culturable Genus Level ID Test: M005 Swab, Tape Lift, Bulk Samples <input type="checkbox"/> Mold & Fungi Direct Exam Test: M041 <input type="checkbox"/> Fungi Culturable Test: M007 (No Tape Lifts) Other:
Eagle Lab Instructions/Comments: Asbestos: Air - Do Not Analyze Outdoors or Blanks Unless Authorized by Eagle      Bulk - Please Stop on First Positive Within Sets Lead: Microbiology:		

Sample #	I/O HA#	Sample Description	Sample Location	Volume (L) Area Sampled	Date/Time Sampled
11/30		Floor	Living Room	288	
		Sill	↓	144	
		Floor	Kitchen	288	
		Floor	Bathroom	↓	
		Floor	Workroom	↓	
		Floor	Hallway	↓	
		Floor	Bedroom	↓	
		Floor	Office	↓	
		Blank	/	/	
		Blank	/	/	
NOTE: Most sills too small to wipe.					

Client Sample #'s **11/30 WLR 01-10**      Total # of Samples: **10**  
 Inquired (Client): **[Signature]**      Date: **11/30/17**      Time: **PM**  
 Received (Lab):      Date:      Time:        
 Relinquished: **[Signature]**      Date: **11/30/17**      Time: **PM**  
 Received: **[Signature]**      EMSL Index      Date: **12/1/17**      Time: **DIS**

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077  
 Phone/Fax: (856) 303-2500 / (856) 786-5974  
<http://www.EMSL.com> [cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order: 201712399  
 CustomerID: EEVM50  
 CustomerPO:  
 ProjectID:

n: **Brandy LeBlanc**  
**Eagle Environmental, Inc. - CT**  
**8 South Main Street**  
**Suite 3**  
**Terryville, CT 06786**

Phone: (860) 589-8257  
 Fax: (860) 585-7034  
 Received: 12/01/17 10:15 AM  
 Collected: 11/30/2017

Project: 17-078.12T1 / Quisenberry- 1062 Reef Road, Fairfield

**Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\***

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
11/30 MIR 01	201712399-0001	11/30/2017	12/1/2017	288 in <sup>2</sup>	<5.0 µg/ft <sup>2</sup>
	Site: Living Room Floor				
11/30 MIR 02	201712399-0002	11/30/2017	12/1/2017	144 in <sup>2</sup>	<10 µg/ft <sup>2</sup>
	Site: Living Room Sill				
11/30 MIR 03	201712399-0003	11/30/2017	12/1/2017	288 in <sup>2</sup>	<5.0 µg/ft <sup>2</sup>
	Site: Kitchen Floor				
11/30 MIR 04	201712399-0004	11/30/2017	12/1/2017	288 in <sup>2</sup>	<5.0 µg/ft <sup>2</sup>
	Site: Bathroom Floor				
11/30 MIR 05	201712399-0005	11/30/2017	12/1/2017	288 in <sup>2</sup>	<5.0 µg/ft <sup>2</sup>
	Site: Workroom Floor				
11/30 MIR 06	201712399-0006	11/30/2017	12/1/2017	288 in <sup>2</sup>	<5.0 µg/ft <sup>2</sup>
	Site: Hallway Floor				
11/30 MIR 07	201712399-0007	11/30/2017	12/1/2017	288 in <sup>2</sup>	<5.0 µg/ft <sup>2</sup>
	Site: Bedroom Floor				
11/30 MIR 08	201712399-0008	11/30/2017	12/1/2017	288 in <sup>2</sup>	<5.0 µg/ft <sup>2</sup>
	Site: Office Floor				
11/30 MIR 09	201712399-0009	11/30/2017	12/1/2017	n/a	<10 µg/wipe
	Site: Blank				
11/30 MIR 10	201712399-0010	11/30/2017	12/1/2017	n/a	<10 µg/wipe
	Site: Blank				

Phillip Worby, Lead Laboratory Manager  
 or other approved signatory

\*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft<sup>2</sup> x area sampled in ft<sup>2</sup>. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft<sup>2</sup> which is dependent on area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAP unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2645.01

Initial report from 12/04/2017 10:19:21

**APPENDIX 4**

**RADON TESTING REPORTS**

---

Radon Testing Corp. of America  
2 Hayes Street  
Elmsford, NY 10523  
Phone: (914) 345-3380

Radon Testing Summary Sheet

Please fill out all pertinent information legibly

Mailing Address:

Contact: Aaron E. Hatcher

Company/Agency/Board of Ed: Eagle Environmental, Inc.

Address: 8 South Main St.

Suite 3

City: Terryville State: CT Zip: 06786

Project Code (if any) 17-08.1211

Fax or email: ahatcher@eagleenviro.com

Phone (860) 589-8257

Building/School Information

School District: \_\_\_\_\_

School Code Number: \_\_\_\_\_

County: Fairfield

Municipality: \_\_\_\_\_

Building/School Name: \_\_\_\_\_

Test Location Street Address: 1062 Reef Road

Fairfield, CT

Placed By ID# MJR Retrieved by ID# AS

Start Date: 11/30/17 Stop Date: 12/4/17

Weather During Test \_\_\_\_\_

Total # of detectors for this building 1

**Instructions:** Tear of the center bar code label from canister and affix to sheet in space provided. Please make sure top bar code label is left on detector. Identify test location for each detector in Space provided for that detector (room #, location in room etc.) Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Start Time: 11/30-1055 Stop Time: 10:59 12/4/17 Duplicate? \_\_\_\_\_



or other identifier Basement

Floor: B

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Duplicate? \_\_\_\_\_

Room# or other identifier \_\_\_\_\_

Blank? \_\_\_\_\_ Floor: \_\_\_\_\_

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Duplicate? \_\_\_\_\_

Room# or other identifier \_\_\_\_\_

Blank? \_\_\_\_\_ Floor: \_\_\_\_\_

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Duplicate? \_\_\_\_\_

Room# or other identifier \_\_\_\_\_

Blank? \_\_\_\_\_ Floor: \_\_\_\_\_

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Duplicate? \_\_\_\_\_

Room# or other identifier \_\_\_\_\_

Blank? \_\_\_\_\_ Floor: \_\_\_\_\_

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Duplicate? \_\_\_\_\_

Room# or other identifier \_\_\_\_\_

Blank? \_\_\_\_\_ Floor: \_\_\_\_\_

Site Radon Inspection Report

Date : 12/08/2017

Aaron E. Hatcher  
EAGLE ENVIRONMENTAL  
8 South Main Street  
Suite #3  
Terryville, CT 06786-

Client: 17-078.12T1  
Test Location: 1062 Reef Road  
Fairfield, CT 06824-

Individual Canister Results

Canister ID# :	2577512	Test Start :	11/30/2017 @ 10:55
Canister Type :	Charcoal Canister 3 inch	Test Stop :	12/04/2017 @ 10:59
Location :	Basement	Received:	12/08/2017 @ 14:09
Radon Level :	0.6 pCi/L	Analyzed:	12/08/2017 @ 14:57
Error for Measurement is: ±	0.3 pCi/L		

The reported results indicate that radon levels in the building tested are below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends retesting if your living patterns change and you begin occupying a lower level of the building, such as a basement or if major remodeling is done.

General radon information may be obtained by consulting the EPA booklet: A Citizen's Guide to Radon ([www.epa.gov/radon/pubs/citguide.html](http://www.epa.gov/radon/pubs/citguide.html)). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at [www.epa.gov/iaq/radon](http://www.epa.gov/iaq/radon).

**For New Jersey clients:** Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

**For New York clients:** If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free 1-800-458-1158.

PLEDGE OF ASSURED QUALITY

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air (EPA 402-R-92-004). The analytical results relate only to the samples tested, in the condition received by the lab, and that calculations were based upon the information supplied by client. RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or its consultants based on RTCA-provided results.



*Andreas C. George*

Andreas C. George  
Radon Measurement Specialist  
NJ MES 11089

*Dante Galan*

Dante Galan  
Laboratory Director

NRSB ARL0001  
NYS ELAP ID: 10806  
PADEP ID: 0346  
NJDEP ID: NY933  
NJ MEB 90036  
FL DOH RB1609  
IL RNL2000201

(914)345-3360  
FAX (914)345-8546

2 Hayes Street, Elmsford, NY 10523  
[www.rtca.com](http://www.rtca.com)

**APPENDIX 5**  
**MOLD INSPECTION FORMS**

---





**APPENDIX 6**

**EAGLE ENVIRONMENTAL, INC. LICENSES  
AND LABORATORY CERTIFICATES**

---

# CERTIFICATE OF ACHIEVEMENT

This certifies that

**Michelle Rudy**

has successfully completed the  
**4-Hour Asbestos Site Inspector Refresher Training**  
**Asbestos Accreditation Under TSCA Title II**  
**40 CFR Part 763**

conducted by

ATC Group Services, LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070

*Gregory Morsch*

Principal Instructor: Gregory Morsch

December 15, 2016

Date of Course

December 15, 2017

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

STAR- 5609

Certificate Number:

December 15, 2016

Expiration Date:

## STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
**ASBESTOS CONSULTANT-INSPECTOR**

MICHELLE I RUDY

CERTIFICATE NO.

000848

CURRENT THROUGH

01/31/18

VALIDATION NO.

03-573122

*M Rudy*  
SIGNATURE

*Rayburn*  
COMMISSIONER

**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  
**04/30/18**

VALIDATION NO.  
**03-594305**

  
SIGNATURE

  
COMMISSIONER

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Michelle Rudy**

556 King Street #4A, Bristol, CT 06010

has successfully completed the  
**EPA Model Lead Risk Assessor Refresher Training**  
745.225 (c) (8) (i)

conducted by  
ATC Group Services LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070



*Edward Kolodziej*

Principal Instructor: Edward Kolodziej

January 13, 2017

Date of Course

January 13, 2017

Exam Date

*Gregory Morsch*

Regional Training Director: Gregory Morsch

ELIRAR-694

Certificate Number

**STATE OF CONNECTICUT**  
**DEPARTMENT OF PUBLIC HEALTH**

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS  
**LEAD INSPECTOR-RISK ASSESSOR**

MICHELLE I. RUDY

CERTIFICATE NO.  
002197

CURRENT THROUGH  
01/31/18

VALIDATION NO.  
03-573119

*[Signature]*  
SIGNATURE

*[Signature]*  
COMMISSIONER

*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 - NJ**

LOCATED AT 200 Route 130 North IN Cinnaminson, NJ 08077  
AND REGISTERED IN THE NAME OF Robert J. DeMalo

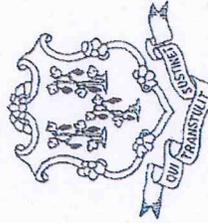
THIS CERTIFICATE IS ISSUED IN THE NAME OF Phillip Worby - Director  
William E. Chamberlin - Co-Director WHO HAS BEEN DESIGNATED  
Stephen Siegel - Co-Director  
Bin Wang - Co-Director

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 Water/Wastewater, Environmental Health and Housing Building Materials  
Solid Waste/Soils Lead in Paint Bulk Identification-PLM,TEM  
Microbiologicals Lead in Dust Wipes Asbestos Fibers-PCM,TEM  
Organic Chemicals Lead Paint in Soil  
Inorganic Chemicals

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

EFFECTIVE RENEWAL DATE July 1, 2016  
THIS CERTIFICATE EXPIRES June 30, 2018 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH  
DATED AT HARTFORD, CONNECTICUT, THIS 14<sup>th</sup> DAY OF July, 2016



Registration #

PH - 0270

SUZANNE BLANCAFLOR, MS, MPH  
CHIEF, ENVIRONMENTAL HEALTH SECTION

# The National Radon Safety Board

National Radon Safety Board

# NRSB

Certified Radon Professionals

Certifies that

**Radon Testing Corp. of America (RTCA)**

Located at: 2 Hayes Street  
Elmsford, NY 10523

has successfully met the established and published requirements for Accreditation by The National Radon Safety Board as an

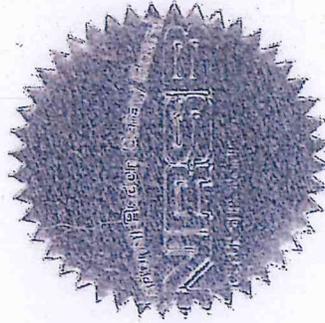
## ACCREDITED RADON LABORATORY

**NRSB ARL0001**

Certification Number

**11/30/2017**

Expiration Date



*Michelle Kuntelich*  
Executive Secretary

*This certificate is the property of The National Radon Safety Board and is not official without the raised seal.*



## Town of Fairfield

Sullivan Independence Hall  
725 Old Post Road

Fairfield, Connecticut 06824  
Town Plan and Zoning Commission

(203) 256-3050  
FAX (203) 256-3080

December 12, 2014

Ms. Kathryn Strachan  
1062 Reef Road  
Fairfield, CT 06824

Re: 1062 Reef Road

Dear Ms. Strachan:

This letter will confirm that your dwelling has been elevated in compliance with the National Flood Insurance Regulations. The elevation certificate indicates a first floor elevation of 14.2.

Please call me at (203) 256-3050 if you require any additional information.

Very truly yours,

James R. Wendt, AICP  
Assistant Director

JRW/ds

# ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008  
 Expiration Date: July 31, 2015

## SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name **KATHRYN STRACHAN**

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
**1062 REEF ROAD**  
 City **FAIRFIELD** State **CT** ZIP Code **06824**

FOR INSURANCE COMPANY USE
Policy Number:
Company NAIC Number:

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)  
**MAP 184, LOT 142**

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) **RESIDENTIAL**

A5. Latitude/Longitude: Lat. **41.130003** Long. **-73.245201** Horizontal Datum:  NAD 1927  NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number **DIAGRAM 7**

A8. For a building with a crawlspace or enclosure(s):

a) Square footage of crawlspace or enclosure(s) **1,148** sq ft

b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade **6**

c) Total net area of flood openings in A8.b **1,200** sq in

d) Engineered flood openings?  Yes  No

A9. For a building with an attached garage:

a) Square footage of attached garage **N/A** sq ft

b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade **N/A**

c) Total net area of flood openings in A9.b **N/A** sq in

d) Engineered flood openings?  Yes  No

## SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number <b>TOWN OF FAIRFIELD 090007</b>		B2. County Name <b>FAIRFIELD</b>		B3. State <b>CT</b>	
B4. Map/Panel Number <b>09001C0438G</b>	B5. Suffix <b>G</b>	B6. FIRM Index Date <b>OCTOBER 16, 2013</b>	B7. FIRM Panel Effective/Revised Date <b>JULY 8, 2013</b>	B8. Flood Zone(s) <b>AE</b>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <b>11</b>

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.  
 FIS Profile  FIRM  Community Determined  Other/Source: \_\_\_\_\_

B11. Indicate elevation datum used for BFE in Item B9:  NGVD 1929  NAVD 1988  Other/Source: \_\_\_\_\_

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?  Yes  No  
 Designation Date: \_\_\_\_\_  CBRS  OPA

## SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on:  Construction Drawings\*  Building Under Construction\*  Finished Construction  
 \*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.  
 Benchmark Utilized: **MN 104** Vertical Datum: **NAVD 1988**

Indicate elevation datum used for the elevations in items a) through h) below.  NGVD 1929  NAVD 1988  Other/Source: \_\_\_\_\_  
 Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) **4.5**  feet  meters

b) Top of the next higher floor **14.2**  feet  meters

c) Bottom of the lowest horizontal structural member (V Zones only) **N/A**  feet  meters

d) Attached garage (top of slab) **N/A**  feet  meters

e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) **14.2**  feet  meters

f) Lowest adjacent (finished) grade next to building (LAG) **3.8**  feet  meters

g) Highest adjacent (finished) grade next to building (HAG) **4.4**  feet  meters

h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support **3.8**  feet  meters

## SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

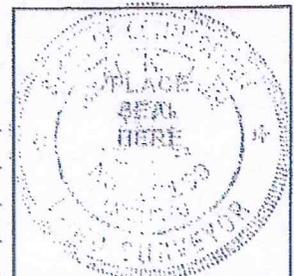
Check here if attachments.

Certifier's Name **NEAL K. JAIN** License Number **18139**

Title **LICENSED SURVEYOR** Company Name **LAND SURVEYING SERVICES**

Address **135 FAIRCHILD AVENUE** City **FAIRFIELD** State **CT** ZIP Code **06825**

Signature *Neal K. Jain* Date **12/11/2014** Telephone **203-522-4177**



Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.

1062 REEF ROAD

City FAIRFIELD

State CT

ZIP Code 06824

FOR INSURANCE COMPANY USE

Policy Number:

Company NAIC Number:

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments THE HOT WATER HEATER IS LOCATED ON THE FIRST FLOOR ATR AN ELEVATION OF 14.2 FEET. THE FURNACE IS IN THE ATTIC AT AN ELEVATION OF 23.0 FEET. SIX SMART VENTS (MODEL NUMBER 1540-510) ARE SITUATED IN THE ENCLOSURE WALLS, EACH DESIGNED TO COVER AN AREA OF 200 AQUARE FEET (FOR A TOTAL OF 1,200 SQUARE FEET). TEN PRESSURE RELIEF OPENINGS WERE PRESENT IN THE CONCRETE ENCLOSURE FLOOR.

Signature

*Rh. Jain*

Date 12/11/2014

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
a) Top of bottom floor (including basement, crawlspace, or enclosure) is ... feet meters above or below the HAG.
b) Top of bottom floor (including basement, crawlspace, or enclosure) is ... feet meters above or below the LAG.
E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is ... feet meters above or below the HAG.
E3. Attached garage (top of slab) is ... feet meters above or below the HAG.
E4. Top of platform of machinery and/or equipment servicing the building is ... feet meters above or below the HAG.
E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name

Address

City

State

ZIP Code

Signature

Date

Telephone

Comments

Check here if attachments.

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8-G10. In Puerto Rico only, enter meters.

- 1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
3. The following information (Items G4-G10) is provided for community floodplain management purposes.

G4. Permit Number

G5. Date Permit Issued

G6. Date Certificate Of Compliance/Occupancy Issued

7. This permit has been issued for: New Construction Substantial Improvement

8. Elevation of as-built lowest floor (including basement) of the building: feet meters Datum

9. BFE or (in Zone AO) depth of flooding at the building site: feet meters Datum

10. Community's design flood elevation: feet meters Datum

Local Official's Name

Title

Community Name

Telephone

Signature

Date

Comments

Check here if attachments.

# Building Photographs

See Instructions for Item A6.

**IMPORTANT: In these spaces, copy the corresponding information from Section A.**

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
1-62 REEF ROAD

City FAIRFIELD

State CT ZIP Code 06824

FOR INSURANCE COMPANY USE

Policy Number:

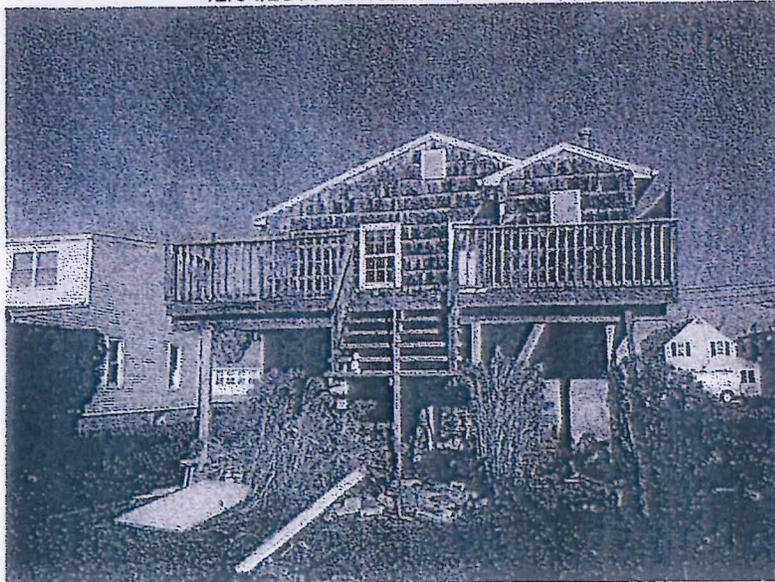
Company/NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

12/04/2014 - FRONT OF RESIDENCE.



12/04/2014 - BACK OF RESIDENCE.



**IMPORTANT: In these spaces, copy the corresponding information from Section A.**

FOR INSURANCE COMPANY USE	
Policy Number:	
Company NAIC Number:	

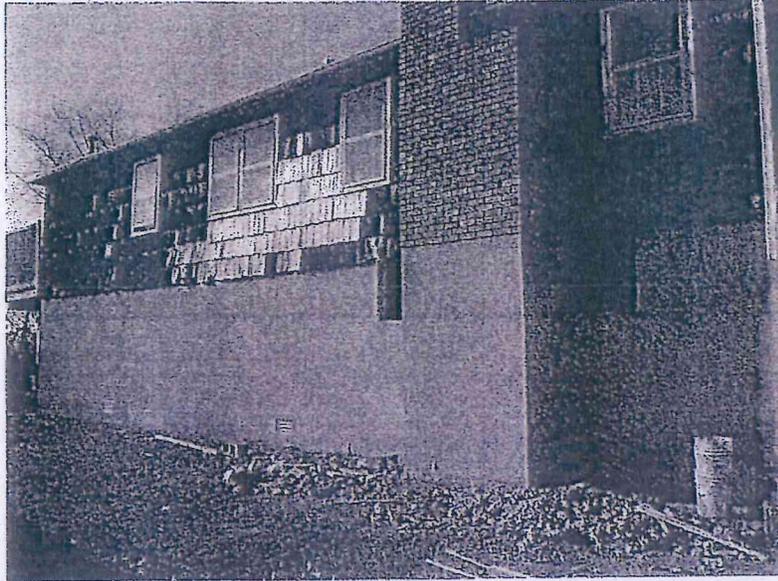
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
1062 REEF ROAD

City FAIRFIELD

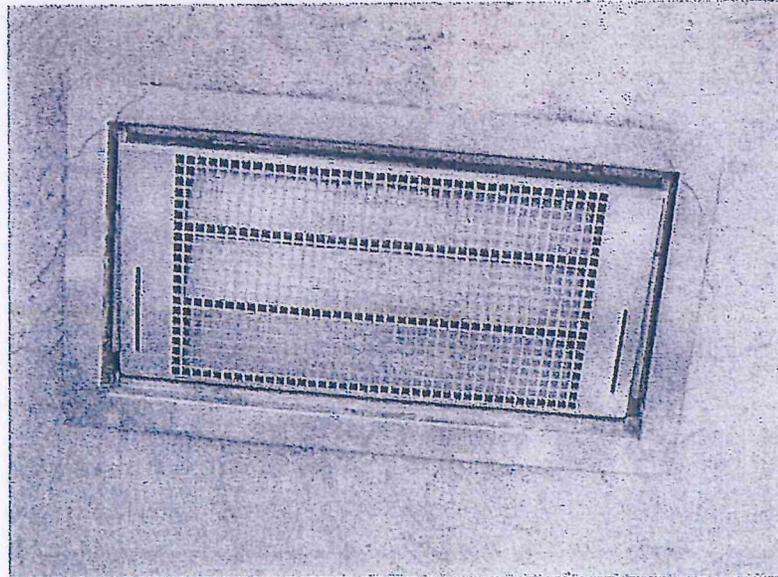
State CT ZIP Code 06824

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

12/04/2014 - SIDE OF RESIDENCE SHOWING SMART VENTS.



12/04/2014 - SMART VENT.





Town of Fairfield  
 725 Old Post Road  
 Fairfield, CT 06824  
 203 - 256-3036

Permit Number: 251038  
 Update Number:  
 Control Number: 25960  
 Application Date: 07/23/2013  
 Permit Date: 07/23/2013  
 Expiration Date: 07/23/2014

**CONSTRUCTION PERMIT**

**IDENTIFICATION**

**OWNER/PROPERTY DETAILS**

Block: 184 Lot: 142 Qualification Code:	
Work Site Location: 1062 REEF ROAD FAIRFIELD	Contractor: SAUERS RONALD
Owner In Fee: STRACHAN KATHRYN NORA	Address: 31 VALLEY DRIVE
Address: 1062 REEF RD	NAUGATUCK CT 06770
FAIRFIELD CT 06824-6539	Telephone: (203) 232-7136
Telephone: ()	Lic. No. / Bldrs. Reg. No.: 122031E1
Use Group(s): R-5	Federal Emp. No.:

is hereby granted permission to perform the following work :

- |  |  |                                     |
|--|--|-------------------------------------|
| <input type="checkbox"/> BUILDING              | <input type="checkbox"/> PLUMBING        | <input type="checkbox"/> DEMOLITION |
| <input checked="" type="checkbox"/> ELECTRICAL | <input type="checkbox"/> FIRE PROTECTION | <input type="checkbox"/> OTHER      |
| <input type="checkbox"/> ELEVATOR DEVICES      | <input type="checkbox"/> MECHANICAL      |                                     |
| <input type="checkbox"/> SIGN PERMIT           | <input type="checkbox"/> JOIL TANK       |                                     |

PAYMENTS	(Office Use Only)
Building	
Electrical	\$86.00
Plumbing	
Fire Protection	
Elevator Devices	
Mechanical	
State Ed. Fee	\$2.00
Penalties	
CO Fee	
	\$0.00
Minimum Fee	
<b>Total</b>	<b>\$88.00</b>
All Fees Waived:	No

**DESCRIPTION OF WORK:**

**\*\*HURRICANE\*\*REPAIR DAMAGE INCL REPL 100A UG SERV WITH 100A OH/UI # 181760**  
**\*\*HOUSE TO BE RELEVATED AT LATER DATE\*\***

**ESTIMATED COST OF WORK:**

Cost of Construction:	0.00
Cost of Work:	3,200.00
Cost of Demolition:	0.00
<b>Total Cost:</b>	<b>\$3,200.00</b>

<b>Amount to be Paid:</b>	<b>\$88.00</b>
Check Number:	4959
Check amount:	\$88.00

NOTE: If work does not commence within six months, this permit is void  
 FINAL INSPECTION MUST BE SCHEDULED UPON COMPLETION OF WORK.

James R. Gilleran  
 Building Official

Date

Collected by:	CJD
Receipt No:	
Total Cash Amount:	
Total Check Amount:	\$88.00
Total CC Amount:	
Grand Total:	\$88.00

Note:



Town of Fairfield  
 725 Old Post Road  
 Fairfield, CT 06824  
 203 - 256-3036

Permit Number: 329908  
 Update Number:  
 Control Number: 26177  
 Application Date: 08/02/2013  
 Permit Date: 08/02/2013  
 Expiration Date: 08/02/2014

## CONSTRUCTION PERMIT

### IDENTIFICATION

#### OWNER/PROPERTY DETAILS

Block: 184 Lot: 142 Qualification Code:	
Work Site Location: 1062 REEF ROAD FAIRFIELD	Contractor: KUPCHICK PETER G
Owner In Fee: STRACHAN KATHRYN NORA	Address: 213 FARIST ROAD
Address: 1062 REEF RD	FAIRFIELD CT 06825
FAIRFIELD CT 06824-6539	Telephone: (203) 259-9787
Telephone: ()	Lic. No. / Bldrs. Reg. No.: 303693S1
Use Group(s): R-5	Federal Emp. No.:

is hereby granted permission to perform the following work :

- |   |  |                                     |
|---|--|-------------------------------------|
| <input type="checkbox"/> BUILDING         | <input type="checkbox"/> PLUMBING              | <input type="checkbox"/> DEMOLITION |
| <input type="checkbox"/> ELECTRICAL       | <input type="checkbox"/> FIRE PROTECTION       | <input type="checkbox"/> OTHER      |
| <input type="checkbox"/> ELEVATOR DEVICES | <input checked="" type="checkbox"/> MECHANICAL |                                     |
| <input type="checkbox"/> SIGN PERMIT      | <input type="checkbox"/> OIL TANK              |                                     |

PAYMENTS (Office Use Only)	
Building	
Electrical	
Plumbing	
Fire Protection	
Elevator Devices	
Mechanical	\$110.00
State Ed. Fee	\$2.00
Penalties	
CO Fee	
	\$0.00
Minimum Fee	
<b>Total</b>	<b>\$112.00</b>
All Fees Waived:	No

DESCRIPTION OF WORK:  
 INST NEW FURNACE IN ATTIC

#### ESTIMATED COST OF WORK:

Cost of Construction:	0.00
Cost of Work:	6,000.00
Cost of Demolition:	0.00
<b>Total Cost:</b>	<b>\$6,000.00</b>

Amount to be Paid:	\$112.00
Check Number:	7833
Check amount:	\$112.00

NOTE: If work does not commence within six months, this permit is void  
 FINAL INSPECTION MUST BE SCHEDULED UPON COMPLETION OF WORK.

James R. Gilleran  
 Building Official

Date

Collected by:	CJD
Receipt No:	
Total Cash Amount:	
Total Check Amount:	\$112.00
Total CC Amount:	
Grand Total:	\$112.00

Note:



Town of Fairfield  
 725 Old Post Road  
 Fairfield, CT 06824  
 203 - 256-3036

Permit Number: 149882  
 Update Number:  
 Control Number: 27814  
 Application Date: 10/11/2013  
 Permit Date: 10/11/2013  
 Expiration Date: 10/11/2014

**CONSTRUCTION PERMIT**

**IDENTIFICATION**

**OWNER/PROPERTY DETAILS**

Block: 184 Lot: 142 Qualification Code:	
Work Site Location: 1062 REEF ROAD FAIRFIELD	Contractor: STRACHAN KATHRYN NORA
Owner In Fee: STRACHAN KATHRYN NORA	Address: 1062 REEF RD
Address: 1062 REEF RD	FAIRFIELD CT 06824-6539
FAIRFIELD CT 06824-6539	Telephone: 0
Telephone: 0	Lic. No. / Bldrs. Reg. No.:
Use Group(s): R-5	Federal Emp. No.:

is hereby granted permission to perform the following work :

- |  |  |                                     |
|--|--|-------------------------------------|
| <input checked="" type="checkbox"/> BUILDING | <input type="checkbox"/> PLUMBING        | <input type="checkbox"/> DEMOLITION |
| <input type="checkbox"/> ELECTRICAL          | <input type="checkbox"/> FIRE PROTECTION | <input type="checkbox"/> OTHER      |
| <input type="checkbox"/> ELEVATOR DEVICES    | <input type="checkbox"/> MECHANICAL      |                                     |
| <input type="checkbox"/> SIGN PERMIT         | <input type="checkbox"/> OIL TANK        |                                     |

**DESCRIPTION OF WORK:**

\*\*\*\*\*HURRICANE\*\*\*\*\*INTERIOR REPAIRS FROM STORM DAMAGE TO PREPARE FOR FUTURE LIFT

**ESTIMATED COST OF WORK:**

Cost of Construction:	0.00
Cost of Work:	45,000.00
Cost of Demolition:	0.00
<b>Total Cost:</b>	<b>\$45,000.00</b>

NOTE: If work does not commence within six months, this permit is void  
 FINAL INSPECTION MUST BE SCHEDULED UPON COMPLETION OF WORK.

James R. Gilleran  
 Building Official

Date

Note:

**PAYMENTS (Office Use Only)**

Building	\$578.00
Electrical	
Plumbing	
Fire Protection	
Elevator Devices	
Mechanical	
State Ed. Fee	\$12.00
Penalties	
CO Fee	
Minimum Fee	\$0.00
<b>Total</b>	<b>\$590.00</b>
All Fees Waived:	No

Amount to be Paid: \$590.00  
 Check Number: 4280  
 Check amount: \$590.00

Collected by: CJD  
 Receipt No:  
 Total Cash Amount:  
 Total Check Amount: \$590.00  
 Total CC Amount:  
 Grand Total: \$590.00



Town of Fairfield  
 725 Old Post Road  
 Fairfield, CT 06824  
 203 - 256-3036

Permit Number: 335090  
 Update Number:  
 Control Number: 26554  
 Application Date: 08/22/2013  
 Permit Date: 08/22/2013  
 Expiration Date: 08/22/2014

### CONSTRUCTION PERMIT

#### IDENTIFICATION

##### OWNER/PROPERTY DETAILS

Block: 184	Lot: 142	Qualification Code:	
Work Site Location: 1062 REEF ROAD FAIRFIELD		Contractor: VASAS JOSEPH	
Owner In Fee: STRACHAN KATHRYN NORA	Address: 380 TOLL HOUSE LANE		
Address: 1062 REEF RD	FAIRFIELD CT 06825		
FAIRFIELD CT 06824-6539	Telephone: (203) 727-8035		
Telephone: ()	Lic. No. / Bldrs. Reg. No.: 203035P1		
Use Group(s): R-5	Federal Emp. No.:		

is hereby granted permission to perform the following work :

- |   |  |                                     |
|---|--|-------------------------------------|
| <input type="checkbox"/> BUILDING         | <input checked="" type="checkbox"/> PLUMBING | <input type="checkbox"/> DEMOLITION |
| <input type="checkbox"/> ELECTRICAL       | <input type="checkbox"/> FIRE PROTECTION     | <input type="checkbox"/> OTHER      |
| <input type="checkbox"/> ELEVATOR DEVICES | <input type="checkbox"/> MECHANICAL          |                                     |
| <input type="checkbox"/> SIGN PERMIT      | <input type="checkbox"/> OIL TANK            |                                     |

PAYMENTS (Office Use Only)	
Building	
Electrical	
Plumbing	\$50.00
Fire Protection	
Elevator Devices	
Mechanical	
State Ed. Fee	\$1.00
Penalties	
CO Fee	
Minimum Fee	\$0.00
<b>Total</b>	<b>\$51.00</b>
All Fees Waived:	No

DESCRIPTION OF WORK:

**\*\*HURRICANE\*\* RETEST GAS LINE FROM STORM DAMAGE**

ESTIMATED COST OF WORK:

Cost of Construction:	0.00
Cost of Work:	500.00
Cost of Demolition:	0.00
<b>Total Cost:</b>	<b>\$500.00</b>

Amount to be Paid: \$51.00  
 Check Number: 2019  
 Check amount: \$51.00

NOTE: If work does not commence within six months, this permit is void  
 FINAL INSPECTION MUST BE SCHEDULED UPON COMPLETION OF WORK.

James R. Gilleran  
 Building Official

Date

Collected by: SHC  
 Receipt No:  
 Total Cash Amount:  
 Total Check Amount: \$51.00  
 Total CC Amount:  
 Grand Total: \$51.00

Note:



Town of Fairfield  
 725 Old Post Road  
 Fairfield, CT 06824  
 203 - 256-3036

Permit Number: 555000  
 Update Number:  
 Control Number: 26269  
 Application Date: 08/07/2013  
 Permit Date: 08/07/2013  
 Expiration Date: 08/07/2014

**CONSTRUCTION PERMIT**

**IDENTIFICATION**

**OWNER/PROPERTY DETAILS**

Block: 184 Lot: 142 Qualification Code:	
Work Site Location: 1062 REEF ROAD FAIRFIELD	Contractor: VASAS JOSEPH
Owner In Fee: STRACHAN KATHRYN NORA	Address: 380 TOLL HOUSE LANE
Address: 1062 REEF RD	FAIRFIELD CT 06825
FAIRFIELD CT 06824-6539	Telephone: (203) 727-8035
Telephone: 0	Lic. No. / Bldrs. Reg. No.: 203035P1
Use Group(s): R-5	Federal Emp. No.:

is hereby granted permission to perform the following work :

- |   |  |                                     |
|---|--|-------------------------------------|
| <input type="checkbox"/> BUILDING         | <input checked="" type="checkbox"/> PLUMBING | <input type="checkbox"/> DEMOLITION |
| <input type="checkbox"/> ELECTRICAL       | <input type="checkbox"/> FIRE PROTECTION     | <input type="checkbox"/> OTHER      |
| <input type="checkbox"/> ELEVATOR DEVICES | <input type="checkbox"/> MECHANICAL          |                                     |
| <input type="checkbox"/> SIGN PERMIT      | <input type="checkbox"/> OIL TANK            |                                     |

**PAYMENTS (Office Use Only)**

Building	
Electrical	
Plumbing	\$50.00
Fire Protection	
Elevator Devices	
Mechanical	
State Ed. Fee	\$1.00
Penalties	
CO Fee	
	\$0.00
Minimum Fee	
<b>Total</b>	<b>\$51.00</b>
All Fees Waived:	No

**DESCRIPTION OF WORK:**

**\*\*HURRICANE\*\*REPIPE HOT & COLD WATER LINES TO PEX DUE TO FREEZE UP**

**ESTIMATED COST OF WORK:**

Cost of Construction:	0.00
Cost of Work:	1,000.00
Cost of Demolition:	0.00
<b>Total Cost:</b>	<b>\$1,000.00</b>

Amount to be Paid: \$51.00  
 Check Number: 2016  
 Check amount: \$51.00

NOTE: If work does not commence within six months, this permit is void  
 FINAL INSPECTION MUST BE SCHEDULED UPON COMPLETION OF WORK.

James R. Gilleran  
 Building Official

Date

Collected by: CJD  
 Receipt No:  
 Total Cash Amount:  
 Total Check Amount: \$51.00  
 Total CC Amount:  
 Grand Total: \$51.00

Note:

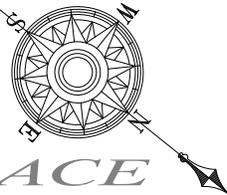
STANDARD	MINIMUM/REQUIRED MAXIMUM/ALLOWED	EXISTING CONDITIONS	PROPOSED	AS-BUILT
Minimum Lot Area (lot area)	6,000 SF	7,375± SF	7,375± SF	
Minimum Square on Lot	60.0' SQ.	50.0' SQ.	50.0' SQ.	
Minimum Lot Frontage	50.00'	50.00'	50.00'	
Minimum Setback Street Line	20.0'	24.9'	24.9'	
Min. Setback From Street Line Corner Lot	12.0' / 17.0'	N/A	N/A	
Min. Setback From One Side Property Line	5.0'	11.4'	11.4'	
Minimum Setback From Side Property Lines	15.0' / 20.0'	23.1'	23.1'	
Minimum Rear Setback	20.0'	72.3'	72.3'	
Minimum Floor Area	750 SF	1248 SF	1248 SF	
Maximum Height for a Building or Structure	32.0'	20.1'	20.1'	
Maximum Number of Stories Per Building	3	1	1	
Maximum Building Lot Coverage as a Percentage of Lot Area	30.0%	20.6%	20.6%	
Minimum First Floor Elevation	11.0' NAVD	14.2'	14.2'	
Maximum Floor Area as a Percentage of Lot Area	50.0%	16.9%	16.9%	

BUILDING ZONE: B

### FLOOD OPENING CALCULATIONS

TOTAL BUILDING AREA = 1148 SQ. FT.  
TOTAL # OF FLOOD VENTS = 6 SMART VENTS  
TOTAL FLOOD VENT AREA = 1200 SQ. FT.

1200 SQ. IN. > 1148 SQ. FT.  
FLOOD VENTS ARE COMPLIANT



## COLLEGE PLACE

### GENERAL NOTES

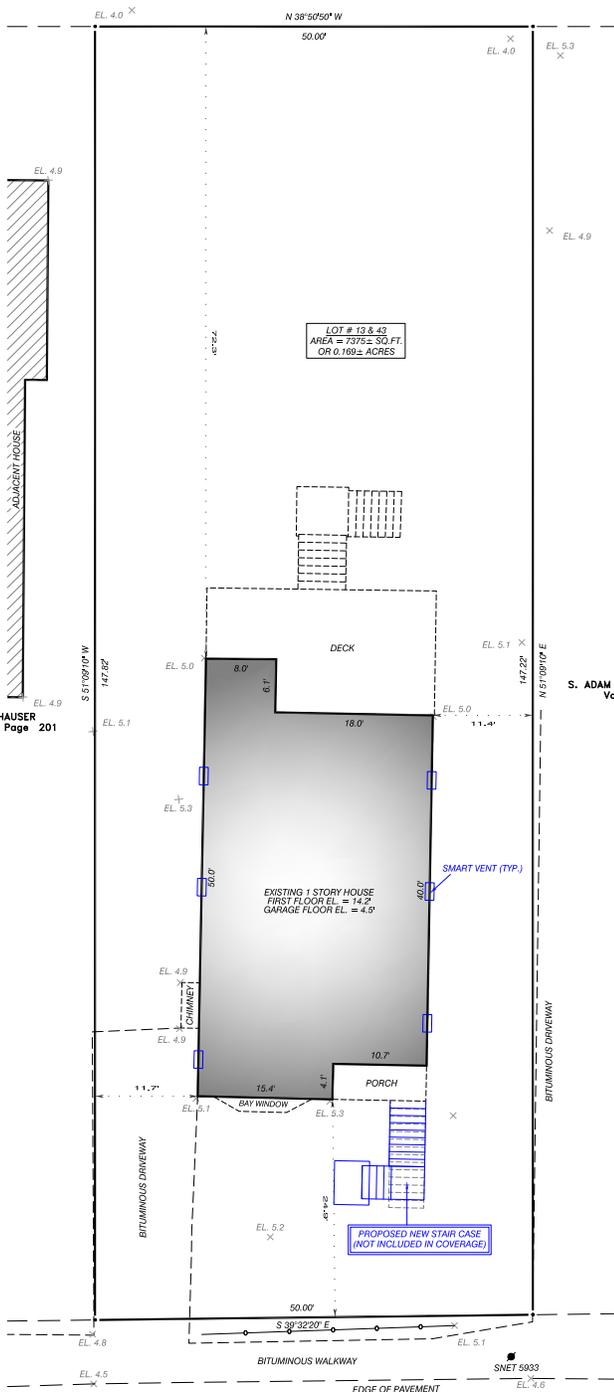
- This Map has been prepared pursuant to the Regulation of Connecticut State Agencies Section 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut as adopted by the Connecticut Association of Land Surveyors, Inc. on Sept. 26, 1996.
- This Survey conforms to Class A-2.
- The Type of survey performed is a Limited Property / Boundary Survey, and is intended to be Existing Building Location Survey.
- Boundary determination is based upon a Dependent Resurvey (see MAP REFERENCES and Record Deeds.)
- North Arrow is based on Map Reference # 1.
- This map is NOT VALID without a LIVE SIGNATURE and EMBOSSED SEAL.
- This map is NOT VALID if altered or used by any party other than the one depicted in title block of this map.
- Property Lines Established According to Record Deeds as exist
- Physical Features Such as Stone Walls, Wire Fences, Monuments, Iron Pins or Pipes, Etc. taken under consideration to establish current deed lines.
- Underground Utility, Structure and facility Locations depicted and noted hereon have been compiled, in part, from record mapping supplied by the respective utility companies or government agencies, from parole testimony and from other sources. These Locations must be considered as approximate in nature. Additionally, other such features may exist on the site, the existence of which are unknown to this firm. The size, Location and existence of all such features must be field determined and verified by the appropriate authorities prior to construction. CALL BEFORE YOU DIG 1-800-922-4455.
- Subject Property Under Zone: AE (EL. 11) per Flood Insurance Rate Map, Community-Panel Number 090001C0438G Panel 438 of 565, Rev. JULY 8, 2013.
- Elevations are based on N.A.V.D., Datum.
- Bench Mark Provided by Fairfield Engineering Department.
- Lot served by Public Water Supply and Town Sewer System.

### MAP REFERENCES

- Map of Property for STEWART B. AND LUCIE C. MCKINNEY, Fairfield, Connecticut, Nov. 21, 1966, Last Rev. Oct. 15, 1967, Scale: 1"=20'. Prepared by The Huntington Company.
- Property of PERRY & GRAY, at Fairfield Beach, Fairfield, Connecticut, Fairfield, Connecticut, Date Sept. 2, 1921, Prepared by Andrew Huntington.



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## REEF ROAD



**LAND SURVEYING SERVICES, LLC**  
135 FAIRCHILD AVENUE  
FAIRFIELD, CONNECTICUT 06825  
TEL. (203) 522-4177  
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EMAIL: info@nealjain.com

RES|KK|SKT|NJ|PL|NJ|MAP|22|DWG: 2005306

**TITLE BLOCK**  
ASSESSORS MAP # 184, PARCEL # 142  
APPLICANT: SAME AS OWNER  
ZONE: B

DESCRIPTIVE TITLE: PROPOSED STAIRS  
To the best of my knowledge and belief this map is substantially correct as noted hereon

NEAL K. JAIN L.S. # 18139

DATE	DESCRIPTION
03-15-2018	PROPOSED STAIRS
03-12-2018	UPDATED SURVEY
DATE:	REVISIONS

IMPROVEMENT LOCATION SURVEY  
PREPARED FOR  
**KATHRYN NORA STRACHAN**  
1062 REEF ROAD, FAIRFIELD, CONNECTICUT

SCALE: 1"= 10'  
DATE: AUG. 07, 2005