Geotechnical
Environmental
Water Resources
Ecological

GEI Consultants

To: Peter Folino, Eagle Environmental, Inc.

From: Martin Brogie

Date: March 20, 2015

Re: National Environmental Policy Act (NEPA) Statutory Checklist

225 Main St
Bridgeport, CT
Project No. 1403900-17-1000

Dear Mr. Folino:

GEI Consultants, Inc. (GEI), at the request of Eagle Environmental Inc. (Eagle), has completed National Environmental Policy Act (NEPA) requirements associated with the rehabilitation of the above-listed property under the HUD-DR Program. GEI conducted a site-visit, reviewed information specific to the proposed, funded rehabilitation activities associated with the property, and completed a NEPA Statutory Checklist. Based on the information gathered, it appears that this project cannot convert to Exempt because one or more statutes/authorities requires consultation or mitigation. Because the property is within a floodzone and located within the designated coastal zone, CTDEEP program-wide General Permit and local zoning review are required for the project. Additionally, the State Historic Preservation Office (SHPO) determination is pending at this time. Complete consultation and asbestos and lead-based paint mitigation requirements, publish NOI/RROF and obtain Authority to Use Grant Funds (HUD 7015.16) per ss58.70 and 58.71 before drawing down funds. The completed NEPA Checklist, photos, environmental database report, and supporting maps and documents are attached.

If you have any questions, please feel free to contact me at 860.368.5408.

Sincerely,

GEI CONSULTANTS, INC.

Martin Brogie, LEP
Senior Consultant

GEI Consultants, Inc.
455 Winding Brook Dr. Suite 201, Glastonbury, CT 06033
860.368. 5300 fax: 860.368.5307
www.geiconsultants.com

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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:
OWNER-OCCUPIED REHABILITATION AND REBUILDING PROGRAM
Application #1738, 225 Main St. Bridgeport, CT

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.
Document Laws and authorities listed at 24 CFR Sec. 58.5							
1. Historic Properties [58.5(a)] [Section 106 of NHPA]	☐	☒	☒	☐	☐	☒	The State Historic Preservation Office (SHPO) has reviewed the proposed rehabilitation plan (project scope letter from Capital Studio Architects, dated 6/10/14). SHPO has determined that the property is listed as a contributing resource in the William D. Bishop Cottage Development National Register Historic District (SHPO letter dated 6/20/16; Attachment A). SHPO does not object to the proposed rehabilitation but has determined that the proposed elevation will have an adverse effect on the state's cultural resources. No construction activity will take place until Department of Housing (DOH) mitigates the risk of the adverse effect according to the Programmatic Agreement among DOH, Department of Economic and Community Development (DECD), SHPO and the Advisory Council on Historic Preservation Regarding Disaster Recovery Activities in Connecticut.
2. Floodplain Management [58.5(b)] [EO 11988] [24 CFR 55]	☐	☐	☒	☐	☐	☐	Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRM) for the area shows the site show the project site is located within a special flood hazard area, Zone AE, "1% annual flood chance" Fairfield County, CT- Map #09001C0441G (Figure 3). Connecticut Department of Energy and Environmental Protection (CTDEEP) Program-wide Permit is in effect. Appendix B: Professional Certification Form for General Permit Application has been completed (dated 6/23/2014; Attachment 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.
3. Wetland Protection [58.5 (b)]	☒	☐	☐	☐	☐	☐	The project site is not located within a wetland according to US Fish and Wildlife Service (USFWS) National Wetlands Inventory Map (NWI; 2012). No impacts to wetlands are anticipated (Figure 4).
4. Coastal Zone Management [58.5(c)] [CGS 22a-100(b)]	☐	☐	☒	☐	☐	☐	The site is located within the Coastal Boundary, but above the Coastal Jurisdiction Line contour/elevation of 5.0 ft. for the City of Bridgeport (CTDEEP 2012; Figure 5). Consultation with local Planning & Zoning is required (activities must be consistent with Coastal Management Act C.G.S Section 22a-100(b)).
5. Water Quality – Aquifers [58.5(d)] [40 CFR 149] Clean Water Act 1977 Safe Drinking Water Act 1974	☒	☐	☐	☐	☐	☐	Rehabilitation does not increase pre-existing footprint of structures. On site water and sewer facilities are not included in rehabilitation work for the project site. CTDEEP Bureau of Water Protection and Land Reuse map titled "Connecticut Aquifer Projection Areas" dated December 2013 does not identify aquifer protection areas in the town of Bridgeport, CT (Figure 6).The project site is not located in an EPA Sole Source Aquifer (http://www.epa.gov/region1/eco/drinkwater/pc_solesource_aquifer.html).
6. Endangered Species [58.5(e)] [16 U.S.C. 1531 et seq.] [CGS 26-310]	☒	☐	☐	☐	☐	☐	USFWS Information, Planning and Conservation System (IPaC) does not indicate the presence of endangered species or critical habitats on the project site (Attachment C). Program–specific parameters provide that if no sandy beaches are present no further NDDB review is required. Project site is within a suburban neighborhood and is not a waterfront property with a sandy beach (Figure 7).
7. Wild and Scenic Rivers [58.5 (f)] [16 U.S.C. 1271 et seq.]	☒	☐	☐	☐	☐	☐	Eightmile River is the only designated wild & scenic river within program area running through Lyme, Salem and East Haddam, CT (rivers.gov; 2012; Figure 8). Project site is not within one mile of the designated area.
8. Air Quality [58.5(g)] [42 U.S.C. 7401 et seq.]	☒	☐	☐	☐	☐	☐	Residential rehabilitation; will result in no quantifiable increase in air pollution.
9. Farmland Protection [58.5(h)]	☒	☐	☐	☐	☐	☐	US Department of Agriculture Natural Resources Conservation Service (NRCS) mapping indicates the site is underlain by Urban Land soils (Figure 9). Therefore, the proposed project will not involve the conversion of any prime, unique, statewide, or locally important farmland.
Manmade Hazards: 10 A. Thermal Explosive [58.5(i)]	☒	☐	☐	☐	☐	☐	The site is in a residential neighborhood and proposed project will not result in any increase to density
10 B. Noise [58.5(i)]	☒	☐	☐	☐	☐	☐	Some short term construction-related noise is expected. No impact on long term contributions to ambient noise is expected.

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.
10 C. Airport Clear Zones [58.5 (i)]	☒	☐	☐	☐	☐	☐	The site is outside of any airport clear zone.
10 D. Toxic Sites [58.5 (i)(2)(i)]	☒	☐	☐	☐	☐	☐	Site is not listed on EPA Superfund National Priorities or CERCLA List or equivalent State list, is not located within 3,000 feet of a toxic or solid waste landfill, does not have an underground storage tank (which is not a residential fuel tank) and is not known or suspected to be contaminated by toxic chemicals or radioactive materials. Based on attached environmental database report prepared by Ecolog ERIS ltd. (Attachment D), site inspection, and owner interview.
11. Environmental Justice [58.5(j)]	☒	☐	☐	☐	☐	☐	The site is located in a Distressed Municipality based on the CTDECD 2013 List (Attachment E). However, the rehabilitation work at the project site is compatible with the surrounding residential use and no adverse human health and environmental effects on minority or low income population are expected.
Document Laws and authorities listed at Sec. 58.6 and other potential environmental concerns							
12 A. Flood Insurance [58.6(a) & (b)]	☐	☐	☒	☐	☐	☐	FEMA FIRM for the region shows the project site is located within a special flood hazard area, Zone AE, "1% annual flood chance." Fairfield County, CT- Map #09001C0441G (Figure 3). The assisted homeowners are required to maintain flood insurance for not less than five years from the date of the assistance. DOH to track and maintain.
12 B. Coastal Barriers [58.6(c)]	☒	☐	☐	☐	☐	☐	The Site is not located within a designated FEMA FIRM Coastal Barrier Resource Zone. Fairfield County, CT- Map #09001C0441G (Figure 3).
12 C. Airport Clear Zone Notification [58.6(d)]	☒	☐	☐	☐	☐	☐	The site is outside of any airport clear zone. Project does not involve the purchase or sale of a property as such 24 CFR 58.6(d).
13. A Solid Waste Disposal [42 U.S.C. S3251 et seq.] and [42 U.S.C. 6901-6987 eq seq.]	☒	☐	☐	☐	☐	☐	Solid waste disposal provided by the City of Bridgeport. Proposed project will not result in an increase in density.
13 B. Fish and Wildlife [U.S.C. 661-666c]	☒	☐	☐	☐	☐	☐	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]	☐	☒	☒	☐	☐	☒	The results of Lead Paint Survey are in the Hazardous Material Inspection Report, dated 3/20/2015, prepared by Eagle Environmental Inc. submitted by Capital Studio Architects along with the Statutory Checklist). Of the forty-two (42) readings taken, eighteen (18) were found to contain toxic levels of lead-based paint. The Lead-based Paint Abatement plan details the work practices to be followed during construction to address lead containing materials at the project

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.
							site.
13 D. Asbestos	☐	☒	☒	☐	☐	☒	The results of Asbestos-containing Material Survey are in the Hazardous Material Inspection Report, dated 3/20/2015, prepared by Eagle Environmental Inc. (submitted by Capital Studio Architects along with the Statutory Checklist). The Asbestos Abatement plan details the work practices to be followed during construction to address asbestos-containing materials at the project site.
13 E. Radon [50.3 (i) 1]	☐	☒	☒	☐	☐	☐	Radon testing was not performed at the project site as the proposed rehabilitation includes elevation and the lowest level of the building and will not be in contact with the ground; Hazardous Material Inspection Report, dated 3/20/2015, prepared by Eagle Environmental Inc. (submitted by Capital Studio Architects along with the Statutory Checklist).
13 F. Mold	☐	☒	☒	☐	☐	☐	The procedures and results of the microbial testing for mold spores are included in the Hazardous Material Inspection Report, dated 3/20/2015, prepared by Eagle Environmental Inc. (report submitted by Capital Studio Architects along with the Statutory Checklist). No water staining or mold spore growth was observed at the time of inspection.
Other: State or Local 14 A. Flood Management Certification [CGS 25-68]	☐	☐	☒	☐	☐	☐	Connecticut Department of Energy and Environmental Protection (CTDEEP) Program-wide Permit is in effect. Appendix B: Professional Certification Form for General Permit Application has been completed (dated 6/23/2014; Attachment B).
14 B. Structures, Dredging & Fill Act [CGS 22a-359 through 22a-363f]	☒	☐	☐	☐	☐	☐	Rehabilitation work at project site does not propose any activity water ward of the coastal jurisdiction line as defined in C.G.S. Section 22a-359(c)
14 C. Tidal Wetlands Act [CGS 22a-28 through 22a-35]	☒	☐	☐	☐	☐	☐	The project site is located above the Coastal Jurisdiction Zone based upon the coastal jurisdiction contour/elevation for the City of Bridgeport (2012). CTDEEP Tidal Wetlands Mapping, as defined in C.G.S. Section 22a-29 and Section 22a-93(7)(e), identifies the project as outside a Tidal Wetland Zone (Figure 5; CTDEEP 1999).
14 D. Local inland wetlands/watercourses [CGS 22a-42]	☒	☐	☐	☐	☐	☐	No apparent inland wetlands on or adjacent to the site based review of NWI data (Figure 4) and NRCS soils data (Figure 9) as well as field observations. Project rehabilitation work is not expected to impact wetlands/watercourses.
14 E. Various Municipal Zoning Approvals	☒	☐	☐	☐	☐	☐	No change of use or building expansion that would require zoning approvals noted.

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 mitigation. 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:

Barry Giroux

10/26/16

Barry Giroux, PE, LEP
Senior Consultant, GEI Consultants, Inc.

Date

Responsible Entity or designee Signature:

Hermia Delaire

10/26/16

Hermia Delaire, CDBG-DR Program Manager

Date

PHOTO LOG
NEPA Statutory Checklist
225 Main St
Bridgeport, CT

Photo 1: Front view of the property; photograph facing west.

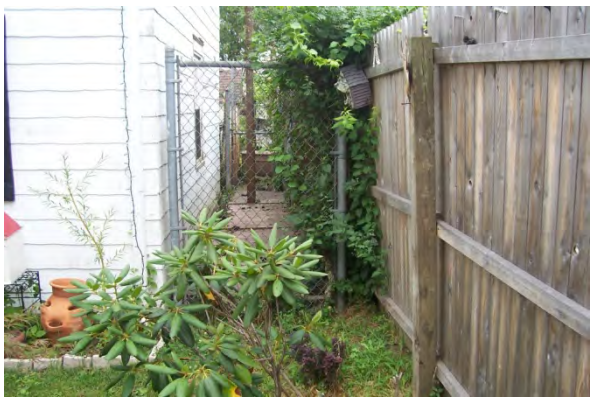
Photo 2: South side of the property; photograph facing west.

Photo 3: Rear view of the property; photograph facing northwest.

Photo 4: Rear view of the property; photograph facing north.

Photo 5: Rear view of the property; photograph facing west.

Photo 6: North side of the property; photograph facing west.



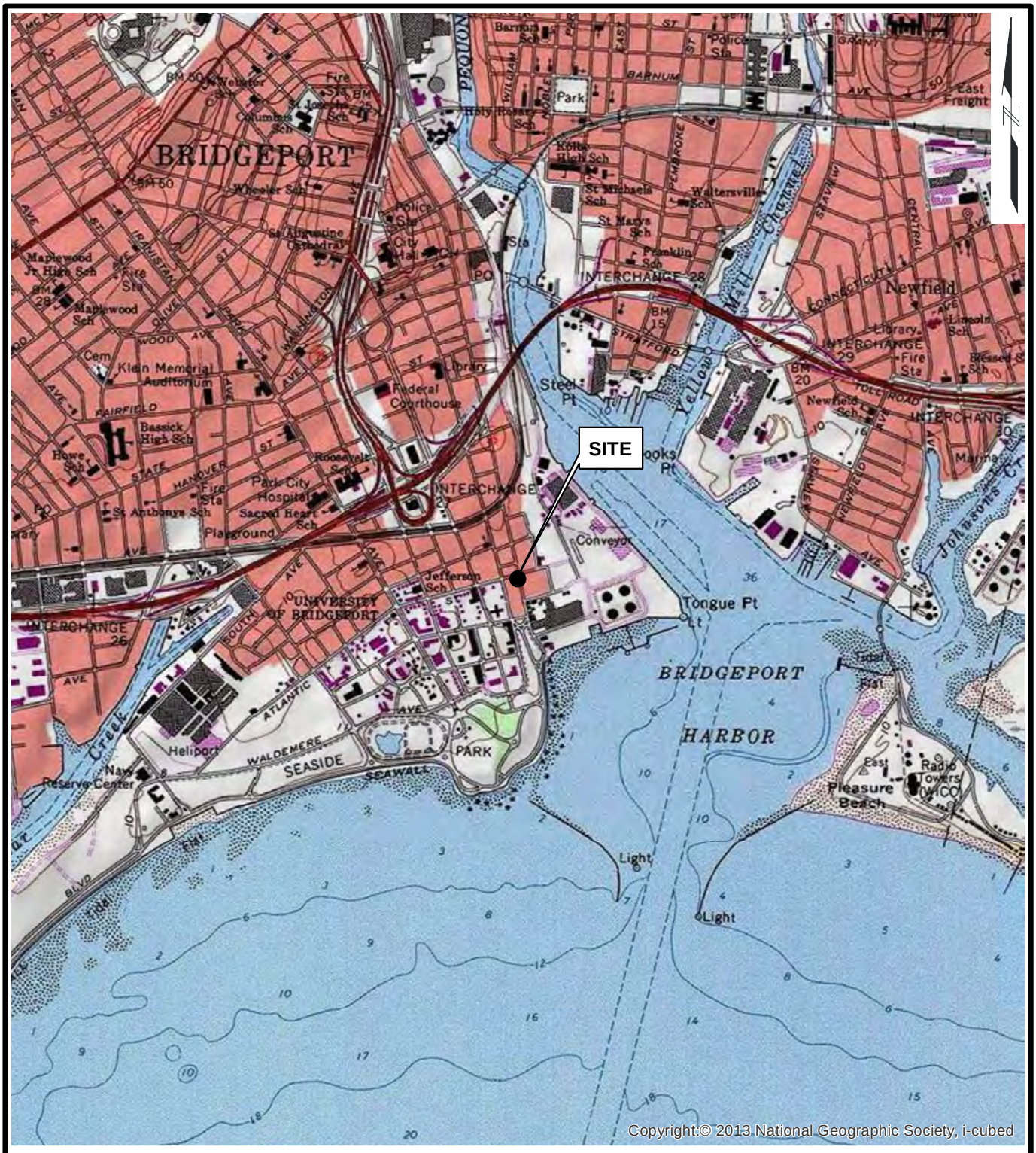
SOURCE:
1. 2011 ESRI WORLD IMAGERY

0 100 200

SCALE: 1" = 100'

National Environmental Policy Act (NEPA) Statuatory Checklist and Environmental Assessment 225 Main Street Bridgeport, Connecticut	GEI Consultants	**SITE DETAIL**
Eagle Environmental, Inc. Terryville, Connecticut	Project 1403900	August 2014 Fig. 1

J:\Projects\Eagle Environmental\NEPA\225 Main St Bridgeport\Site Detail.mxd



SOURCE:

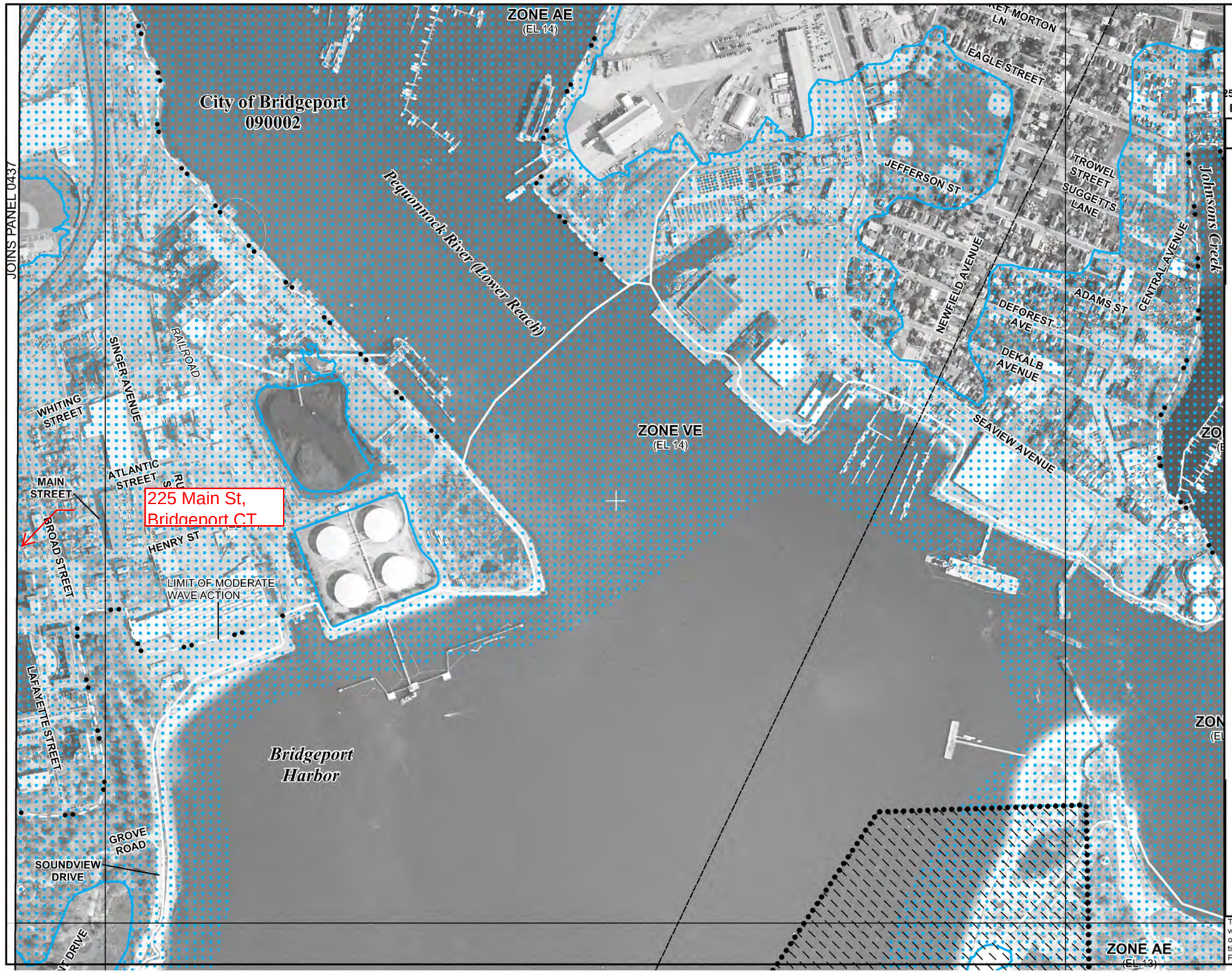
1. USGS TOPOGRAPHIC MAP BRIDGEPORT QUADRANGLE ACCESSED VIA ARCGISONLINE.COM.

0 2,000 4,000

SCALE: 1" = 2000'

National Environmental Policy Act (NEPA) Statuatory Checklist and Environmental Assessment 225 Main Street Bridgeport, Connecticut	GEI Consultants	**USGS TOPOGRAPIC MAP**
Eagle Environmental, Inc. Terryville, Connecticut	Project 1403900	August 2014 Fig. 2

J:\Projects\Eagle Environmental\NEPA\225 Main St Bridgeport\USGS Topograpic Map.mxd



MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP

PANEL 0441G

FIRM

FLOOD INSURANCE RATE MAP

FAIRFIELD COUNTY, CONNECTICUT
(ALL JURISDICTIONS)

PANEL 441 OF 626
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BRIDGEPORT, CITY OF	090002	0441	G
STRATFORD, TOWN OF	090016	0441	G

-NOTE-
THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES 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
09001C0441G

MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

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

SOURCE:

1. 2012 US FISH AND WILDLIFE (USFWS) NATIONAL WETLANDS INVENTORY WWW.FWS.GOV/WETLANDS, ACCESSED JULY 2014.

0 300 600

SCALE: 1" = 300'

LEGEND

Wetland Type

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Pond

National Environmental Policy Act (NEPA) Statuatory Checklist and Environmental Assessment
225 Main Street
Bridgeport, Connecticut

Eagle Environmental, Inc.
Terryville, Connecticut

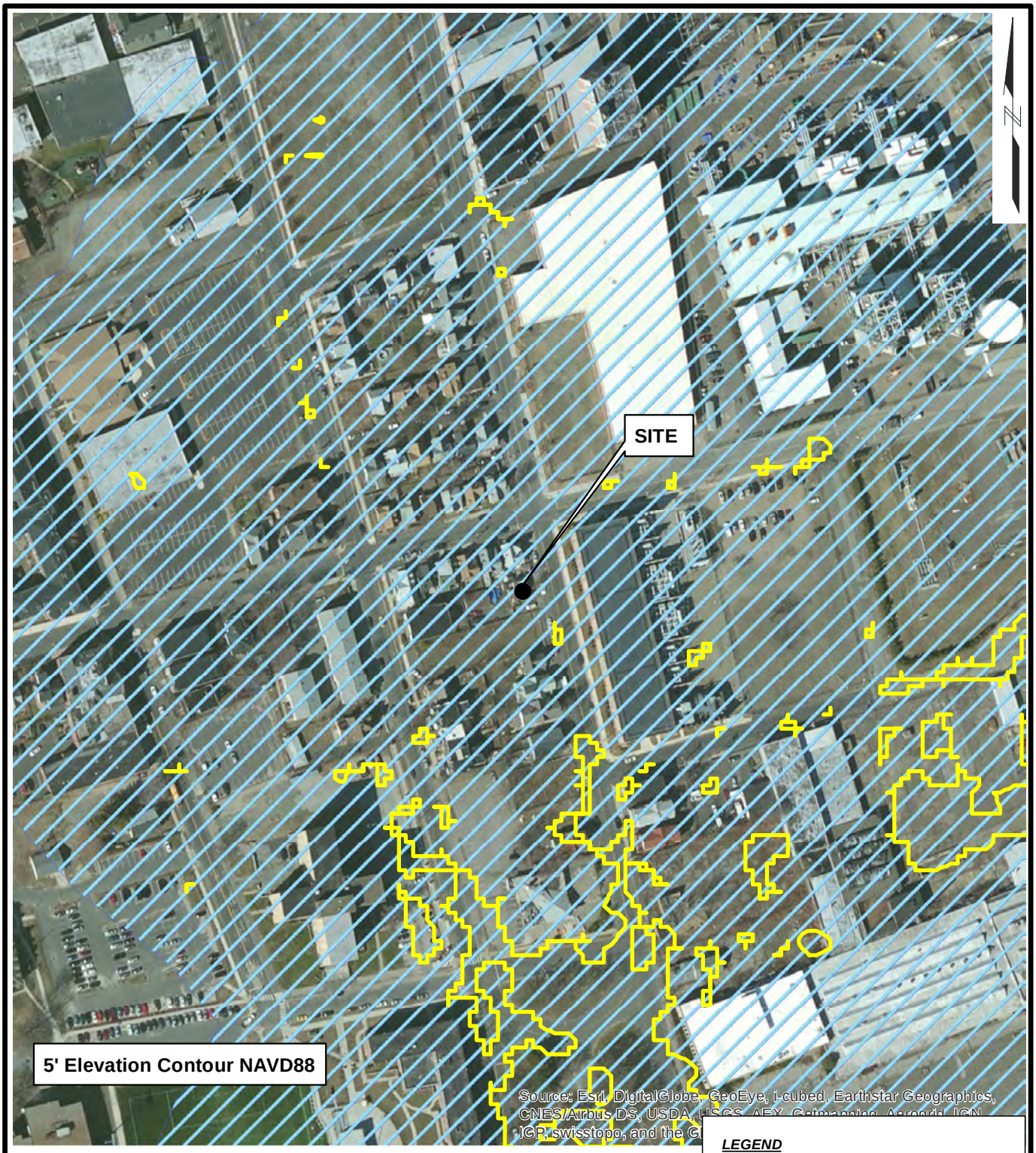
GEI Consultants

Project 1403900

NATIONAL WETLANDS INVENTORY (NWI)

August 2014 Fig. 4

J:\Projects\Eagle Environmental\NEPA\225 Main St Bridgeport\NWI.mxd



SOURCE:

1. TIDAL WETLANDS (1990s)/COASTAL AREAS FROM CT DEEP GIS.
2. CITY OF BRIDGEPORT COASTAL JURISDICTION CONTOUR DERIVED FROM CT 10 FT DEM LIDAR, UCONN CLEAR.

0 200 400

SCALE: 1" = 200'

LEGEND

- Coastal Jurisdiction Contour
- Tidal Wetland
- Coastal Boundary

National Environmental Policy Act (NEPA) Statuatory Checklist and Environmental Assessment 225 Main Street Bridgeport, Connecticut	GEI Consultants	**COASTAL RESOURCES**
Eagle Environmental, Inc. Terryville, Connecticut	Project 1403900	August 2014 Fig. 5

J:\Projects\Eagle Environmental\NEPA\225 Main St Bridgeport\Coastal_Resources.mxd

SOURCE:

1. AQUIFER PROTECTION LAYER FROM CT DEEP GIS, LAST UPDATED DEC. 2013.

0 8,000 16,000

SCALE: 1" = 8000'

LEGEND

Final Adopted Aquifer Protection

National Environmental Policy Act (NEPA) Statuatory Checklist and Environmental Assessment
225 Main Street
Bridgeport, Connecticut

Eagle Environmental, Inc.
Terryville, Connecticut

GEI Consultants

AQUIFER PROTECTION AREA

Project 1403900 | August 2014 | Fig. 6

J:\Projects\Eagle Environmental\NEPA\225 Main St Bridgeport\Aquifer Protection.mxd

SOURCE:
1. NDDB DATA, CT DEEP GIS, LAST UPDATED JUNE 2014.

0 500 1,000

SCALE: 1" =500'

LEGEND
Natural Diversity Area

National Environmental Policy Act (NEPA) Statuatory Checklist and Environmental Assessment
225 Main Street
Bridgeport, Connecticut

Eagle Environmental, Inc.
Terryville, Connecticut

GEI Consultants

NATURAL DIVERSITY DATABASE AREA AND CRITICAL HABITAT

Project 1403900 | August 2014 | Fig. 7

J:\Projects\Eagle Environmental\NEPA\225 Main St Bridgeport\NDDB.mxd

SOURCE:
1.CT DEEP GIS.
2. www.rivers.org; November 2012

0 41,000 82,000
SCALE: 1" = 41000'

LEGEND
WATERBODY LINE

National Environmental Policy Act (NEPA) Statuatory Checklist and Environmental Assessment 9 Cottage Place Bridgeport, Connecticut	GEI Consultants	**DISTANCE TO WILD AND SCENIC RIVER**
Eagle Environmental, Inc. Terryville, Connecticut	Project 1403900	August 2014 Fig. 8

J:\Projects\Eagle Environmental\NEPA\225 Main St Bridgeport\Wild and Scenic Rivers.mxd

SOURCE:

1. NRCS Soil Survey Geographic (SSURGO) database for the State of Connecticut, CT DEEP GIS

0 200 400

SCALE: 1" = 200'

National Environmental Policy Act (NEPA) Statuatory Checklist and Environmental Assessment
225 Main Street
Bridgeport, Connecticut

Eagle Environmental, Inc.
Terryville, Connecticut

GEI Consultants

NRCS SOILS

Project 1403900 | August 2014 | Fig. 9

J:\Projects\Eagle Environmental\NEPA\225 Main St Bridgeport\Soils.mxd

MG

Attachment A

Department of Economic and Community Development

Connecticut
still revolutionary

June 20, 2016

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

received
6-24-16

Subject: 225 Main Street
Bridgeport, CT

1738
Peace

Dear Ms. Delaire:

The State Historic Preservation Office has reviewed the information submitted for the above-named property pursuant to the provisions of Section 106 of the National Historic Preservation Act of 1966.

The property located at 225 Main Street is a contributing resource within the William D. Bishop Cottage Development National Register of Historic Places district. SHPO understands that the Department of Housing will fund the rehabilitation and elevation of the subject property. SHPO has no objection to the proposed undertaking, but the proposed elevation of 225 Main Street will have an adverse effect on the state's cultural resources.

The State Historic Preservation Office appreciates the opportunity to review and comment upon this project. These comments are provided in accordance with Section 106 of the National Historic Preservation Act. For further information please contact Todd Levine, Environmental Reviewer, at (860) 256-2759 or todd.levine@ct.gov.

Sincerely,

Catherine Labadia
Deputy State Historic Preservation Officer

Attachment B

Appendix B

DECD/SHPO/DOH Professional Certification Form

For all General Permit Applications submitted as part of the Flood Management Certification for Disaster Recovery Activities, the following certification must be signed and sealed by a professional engineer licensed to practice in Connecticut.

Property: 225 MAIN STREET BRIDGEPORT, CT

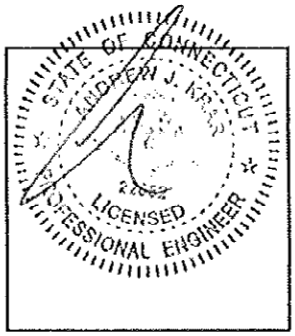
Application Number: 201405890-FM

"I certify that in my professional judgment, the above referenced project has been designed consistent with the Flood Management Certification for Disaster Recovery Activities as approved by DEEP and that the information is true, accurate and complete to the best of my knowledge and belief.

I understand that a false statement made in the submitted information may, pursuant to Section 22a-6 of the General Statutes, be punishable as a criminal offense under Section 53a-157b of the General Statutes, and may also be punishable under Section 22a-438 of the General Statutes."

Signature of Applicant	June 23, 2014 Date
Herman Delaire Name of Applicant (print or type)	Project Manager Title
Signature of Professional Engineer	June 23, 2014 Date
Andrew J. Krar Name of Professional Engineer (print or type)	22052 P.E. Number

Affix P.E. Stamp Here



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 3301
PHONE: (603)223-2541 FAX: (603)223-0104
URL: www.fws.gov/newengland

Consultation Tracking Number: 05E1NE00-2014-SLI-0311 May 29, 2014
Project Name: 1738 - Peace

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). 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

United States Department of Interior
Fish and Wildlife Service

Project name: 1738 - Peace

Official Species List

Provided by:

New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 3301
(603) 223-2541
http://www.fws.gov/newengland

Consultation Tracking Number: 05E1NE00-2014-SLI-0311
Project Type: ** Other **
Project Description: 225 Main Street
Bridgeport, CT

Project Location Map:

Project Coordinates: MULTIPOLYGON (((-73.1860473 41.1676889, -73.1864362 41.1676101, -73.1864872 41.1677393, -73.1860983 41.1678221, -73.1860473 41.1676889)))

Project Counties: Fairfield, CT

Endangered Species Act Species List

There are a total of 0 threatened, endangered, or candidate species on your 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. Critical habitats listed on the **Has Critical Habitat** lines may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

There are no listed species identified for the vicinity of your project.

Critical habitats that lie within your project area

There are no critical habitats within your project area.

ENVIRONMENTAL RISK INFORMATION SERVICE

DATABASE REPORT

Project Property: *1738 255 Main St Bridgeport*
255 Main St
Bridgeport CT 06604

P.O. Number:

Report Type: *Screen Report*

Order #: *20140707117*

Requested by: *GEI Consultants Inc.*

Date: *July 7, 2014*

Ecolog ERIS Ltd.
Environmental Risk Information Service Ltd. (ERIS)
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

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Executive Summary

Property Information:

Project Property:		*1738 255 Main St Bridgeport* *255 Main St Bridgeport CT 06604*
P.O. Number:		
Coordinates:		
	Latitude:	*41.167735*
	Longitude:	*-73.186199*
	UTM Northing:	*4,558,963.13*
	UTM Easting:	*652,159.54*
	UTM Zone:	*UTM Zone 18T*
Elevation:		*20 FT*

Order Information:

Order No.:	*20140707117*
Date Requested:	*07/07/2014*
Requested by:	*GEI Consultants Inc.*
Report Type:	*Screen Report*

Ancillary Products:

Executive Summary: Report Summary

Database	Searched	Project Property	Within 0.125mi	Total
Standard Environmental Records				
Federal				
NPL	Y	0	0	0
PROPOSED NPL	Y	0	0	0
DELISTED NPL	Y	0	0	0
CERCLIS	Y	0	0	0
CERCLIS NFRAP	Y	0	0	0
CERCLIS LIENS	Y	0	0	0
RCRA CORRACTS	Y	0	1	1
RCRA TSD	Y	0	1	1
RCRA GEN	Y	0	2	2
RCRA NON GEN	Y	0	0	0
FED ENG	Y	0	0	0
FED INST	Y	0	0	0
ERNS 1982-1986	Y	0	0	0
ERNS 1987-1989	Y	0	0	0
ERNS	Y	0	2	2
FED BROWNFIELDS	Y	0	0	0
State				
SHWS	Y	0	0	0
SWF/LF	Y	0	0	0
LUST	Y	0	1	1
UST	Y	0	4	4
AST	Y	0	1	1
AUL	Y	0	2	2
VCP	Y	0	0	0
BROWNFIELDS	Y	0	0	0
CBRA BRWN	Y	0	0	0
Tribal				

Database	Searched	Project Property	Within 0.125mi	Total
ILST	Y	0	0	0
IUST	Y	0	0	0
INDIAN VCP	Y	0	0	0

County ***No County standard environmental record sources available for this State.***

Additional Environmental Records

Federal

FINDS/FRS	Y	0	9	9
TRIS	Y	0	0	0
HMIRS	Y	0	0	0
NCDL	Y	0	0	0
ODI	Y	0	0	0
IODI	Y	0	0	0

State

LIENS	Y	0	0	0
CT PROPERTY	Y	0	7	7
SPILLS	Y	0	59	59
CT MANIFEST	Y	0	16	16
CT MANIFEST TSDF	Y	0	0	0
CT HAZ HANDLERS	Y	0	10	10

Tribal ***No Tribal additional environmental record sources available for this State.***

County ***No County additional environmental record sources available for this State.***

Total:	0	115	115

Attachment E

2013 Distressed Municipalities Ranked by Score	Total Scores		2013 Distressed Municipalities In town alphabetical order	Total Scores
Waterbury	1455	1	Ansonia	1326
Hartford	1449	2	Bridgeport	1380
New Britain	1446	3	Bristol	1261
Bridgeport	1380	4	Derby	1284
Naugatuck	1349	5	East Hartford	1246
New London	1349	6	Enfield	1227
Ansonia	1326	7	Groton	1176
Windham	1311	8	Hartford	1449
Plainfield	1296	9	Killingly	1268
Derby	1284	10	Meriden	1236
Torrington	1275	11	Montville	1136
Killingly	1268	12	Naugatuck	1349
Bristol	1261	13	New Britain	1446
North Canaan	1261	14	New Haven	1253
Sprague	1256	15	New London	1349
New Haven	1253	16	North Canaan	1261
East Hartford	1246	17	Plainfield	1296
Meriden	1236	18	Plymouth	1128
Enfield	1227	19	Putnam	1151
Winchester	1210	20	Sprague	1256
West Haven	1200	21	Torrington	1275
Groton	1176	22	Waterbury	1455
Putnam	1151	23	West Haven	1200
Montville	1136	24	Winchester	1210
Plymouth	1128	25	Windham	1311

Source:

Connecticut Department of Economic and Community Development
http://www.ct.gov/ecd/cwp/view.asp?a=1105&q=251248

EAGLE Environmental, Inc.

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

March 20, 2015

Mr. David Holmes
Capital Studio Architects
1379 Main Street
East Hartford, CT 06108

RE: Environmental Assessment Report
Department of Housing
CDBG-DR – Sandy Disaster Recovery Program
225 Main Street
Bridgeport, Connecticut 06604
Application #1738
Eagle Project No. 14-028.12T21

Dear Mr. Holmes:

Please find the attached Environmental Assessment Report conducted at 225 Main Street located in Bridgeport, 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 with the exception of the lead-based paint hazard screen, which included the interior and exterior of the entire building. The proposed scope of renovation/repair work was provided to Eagle Environmental, Inc. (Eagle) by Capital Studio Architects (CSA).

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:
Kristen Liljehult
Environmental Consultant II

Report Reviewed By:
Peter J. Folino
Project Manager

\\Eaglesvr\public\2014 Files\2014 Reports\Capital Studio Architects\Hurricane Sandy\225 Main St. - Bridgeport\225 Main St - Enviro Assessment Report.doc

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1. INTRODUCTION

On August 4, 2014, Eagle Environmental, Inc. conducted an environmental assessment of portions of the site building located at 225 Main Street in Bridgeport, Connecticut. The scope of the environmental assessment included an inspection for asbestos-containing materials, a lead-based paint hazard screen 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 planned renovation work provided in CSA's Project Scope dated June 10, 2014. For the purpose of this project the following areas were inspected:

- Crawl space
- Targeted Interior Rooms
- Exterior Facades

In addition to testing the areas of the building that will be impacted by the renovation work, a lead-based paint hazard screen was performed throughout the site building to comply with federal funding requirements for a residential building receiving Federal funding assistance under a Department of Housing and Urban Development (HUD) administered program.

A complete list of components that were tested may be found in the XRF Lead Inspection Detailed Report in Appendix 4.

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 of 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 Hannah Hintz; a State of Connecticut licensed Asbestos Inspector (license #000816).

2.2 Lead-based Paint

A lead-based paint hazard screen was performed at the site building 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.

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 $25,00 0 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 lead-based paint hazard screen was performed by Kristen Liljehult; a State of Connecticut licensed Lead Inspector/Risk Assessor (license # 002206).

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. The lead hazard screen was performed in accordance with State requirements, where applicable. There were no children under six (6) years of age residing in the dwelling at the time of inspection.

2.3 Radon Testing

Radon testing for this program is performed on a case-by-case basis. Building's which are constructed on piers with its 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).

At a minimum, the Indoor Radon Potential Map of Connecticut was reviewed to determine each sites geographic location in respect to indoor Radon potential.

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 signs of visible microbial growth including discoloring of building materials, mal odors and water intrusion that may inhibit microbial growth. 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 the 225 Main Street in Bridgeport, Connecticut.

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 the 225 Main Street in Bridgeport, Connecticut.

3.2 Lead-based Paint

The lead-based paint hazard screen was performed utilizing an X-Ray Fluorescence (XRF) Radiation Monitoring Device (RMD) Lead Paint Analyzer (LPA 1), serial number 2753 throughout the building.

Due to the level of proposed Federal Funding for this project (exceeding $25,000 per unit), the lead-based paint hazard screen included testing surfaces where defective paint or surface coatings were identified. A visual inspection was performed to evaluate the condition of surface coating associated with the building. Where surface coatings were defective (peeling, chipping, flaking, etc.), paint testing was performed. Component and surface locations are identified by side designations represented by the letters "A", "B", "C", and "D". The "A" side is considered the front of the building with the "B", "C", and "D" sides following in a clockwise order.

The data is presented on computer generated Lead Inspection Reports contained in Appendix 4. The Summary Report provides an inventory of each surface coating that contains lead at or above 1.0 mg/cm^2. The Detailed Report is an inventory of each tested surface on a room-by-room basis.

For the purpose of this report, lead-based paint is defined as surface coatings that contain ≥1.0 mg/cm^2 of lead by XRF.

In addition to XRF testing, dust samples are collected at the time of inspection if defective lead-based paint is identified. The exterior grounds are evaluated as well and if

bare areas of soil are identified, soil samples are collected. Any dust or soil hazards identified are incorporated into the Lead-Based Paint Hazard Reduction or Abatement Plan.

3.3 Radon Testing

The site building is planned to be raised to proper flood elevation and the lowest level of the building will not be in contact with the ground. Radon testing was not performed for this site building.

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 twenty-nine (29) bulk samples of suspect ACM were collected and twenty-eight (28) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory.

The following materials were confirmed to be ACM:

- Cement board siding (Exterior)

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.

The cement board siding is a non-friable exterior building material and is not regulated by CT DPH regulations. If any of the material is disturbed in the process of elevating the

building, it must be disposed of as ACM waste. Contractors performing work that impacts the siding must comply with the US Department of Labor's Occupational Safety and Health Administration (OSHA), the USEPA National Emission Standard for Hazardous Air Pollutants and the CT DEEP regulated waste disposal regulations.

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

All regulated friable and regulated non-friable ACM must be removed prior to renovation/repair activities. A State of Connecticut Licensed Asbestos Abatement Contractor must be retained to perform the removal work. Visual inspections and air clearances must be performed within each abatement area at the completion of the abatement work. The visual inspections and air clearances must be performed by a State of Connecticut licensed Asbestos Project Monitor. The abatement areas must meet final visual and air clearance inspection criteria prior to building renovation / demolition. Re-occupancy air monitoring is required if the building will be re-entered by any person following abatement and prior to demolition. This includes but is not limited to entry for utility disconnects, salvage, equipment removal, etc.

The Asbestos Abatement Contractor must submit a notice of asbestos abatement to the State of Connecticut Department of Public Health post marked or hand delivered ten (10) days prior to the commencement of any asbestos abatement activities involving the abatement of greater than ten (10) linear feet or twenty-five (25) square feet of asbestos-containing materials. The asbestos abatement notification satisfies the DPH regulatory requirements for demolition notification. For asbestos abatement projects involving less than ten (10) linear feet or twenty-five (25) square feet of asbestos-containing materials or projects where no regulated asbestos-containing materials are identified, the facility owner or any person who will be conducting demolition must submit a demolition notification to the State of Connecticut Department of Public Health post marked or hand delivered ten (10) days prior to the commencement of demolition activities.

4.2 Lead-based Paint

A copy of this lead-based paint hazard screen report must be provided to residence within fifteen (15) days of the evaluation. A total of forty-two (42) XRF readings were collected during the lead-hazard screen of the building. From the forty-two (42) readings, eighteen (18) were found to contain toxic levels of lead-based paint.

If the exterior cement board siding is impacted during the renovations, the substrate underneath must be assumed to contain toxic levels of lead-based paint and lead safe work practices must be used. The other components identified to contain toxic levels of lead-based paint will not impact the proposed scope of work; however, they must be addressed as part of this project. Clearances will be required in the rooms where lead abatement work is completed.

A complete inventory of tested building materials is presented in Detailed Reports contained Appendix 4.

The U.S. Department of Labor Occupation Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead Exposure in Construction; Interim Final Rule. Currently, OSHA does not define a threshold level of lead in paint that may cause worker exposure. Any detectable

level of lead in paint (>0.0 mg/cm^2 +/- 0.3 mg/cm^2 by XRF or >0.01 % by AAS) requires task specific exposure monitoring. Contractors performing lead disturbing tasks on this project must comply with the OSHA Lead in Construction Standard.

4.2.1 Dust Hazards

A total of ten (10) dust wipes were collected at the time of inspection. A dust-lead hazard was identified on the Rear Entry window sill. The hazard has been incorporated into the lead abatement scope of work.

A copy of the dust sample laboratory reports may be found in Appendix 5.

4.2.2 Soil Hazards

No soil samples were collected at the time of inspection as there were no bare areas of soil identified. The homeowner should maintain the grounds in their 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.

A review of the Indoor Radon Potential Map of Connecticut indicates a Radon Potential Rating of Low - Moderate (16%). The Radon Potential Rating indicates the percentage of tested homes in this geographical area with basement air radon greater than or equal to 4.0 pCi/l (USEPA Action Level for Radon)

Radon testing was not performed at this Site since the building will be elevated and the lowest level of the building will not be in contact with the ground.

4.4 Mold

The physical inspection identified no signs of visible mold growth, water staining or odors throughout the dwelling. The homeowner had new flooring, sheetrock, insulation and wiring done within the first floor of the dwelling after the storm event.

The mold inspection forms are provided in Appendix 7.

5. COST ESTIMATES

The cost estimates include only the abatement or remediation work necessary to support the renovation/repair work. Other regulated or hazardous materials may be present and were not inspected for under this scope of services and are not included within the estimate.

This is a budgetary opinion of cost that is expected to be within -15 to + 30 percent of the actual cost. Eagle Environmental, Inc. has no control over the cost of labor, materials, equipment or services furnished by others, or over the Contractor or Contractors' methods of determining prices, or over competitive bidding or market conditions. Eagle Environmental, Inc.'s opinion of probable cost of abatement are made on the basis of

Eagle Environmental, Inc.'s experience and qualifications and represent Eagle Environmental, Inc.'s judgment as an experienced and qualified consultant familiar with the abatement industry; but Eagle Environmental, Inc. cannot and does not guarantee that proposals, bids or actual Total Project or Abatement Cost will not vary from opinions of probable cost prepared by Eagle Environmental, Inc. If, prior to the bidding or negotiating phase, the Owner wishes greater assurance as to Total Project or Abatement Cost, the Owner shall employ an independent cost estimator.

The cost estimates are provided in Appendix 8.

TABLE I

ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE

TABLE I
ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
225 MAIN STRETT
BRIDGEPORT, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS				ESTIMATED QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM		
Façade A, B, C, D	Cement board siding	8-4-HH-26	MISC	22% Chrys			YES	2700 SF	NF
		8-4-HH-27		DNA					

KEY		ANALYTICAL METHODS
DNA = DID NOT ANALYZE	SF = SQUARE FEET	PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT
NAD = NO ASBESTOS DETECTED	LF = LINEAR FEET	TEM NOB = NEW YORK ELAP 198.4 METHOD
F = FRIABLE	Chrys = Chrysotile	PLM = EPA 600/R-93/116
NF = NON-FRIABLE	Amos = Amosite	PS = Previously Sampled
TSI = THERMAL SYSTEMS INSULATION	Anth = Anthophylite	EA = Each
SURF = SURFACING MATERIAL	Trem = Tremolite	
MISC = MISCELLANEOUS MATERIAL	Croc = Crocidolite	

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

TABLE II

NON ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE

TABLE II
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
225 MAIN STREET
BRIDGEPORT, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
Crawl Space	White plaster debris at crawl space floor	8-4-HH-01	SURF	NAD			NO
		8-4-HH-02		NAD			
		8-4-HH-03		NAD			
Kitchen	Original sheetrock	8-4-HH-04	MISC	NAD			NO
		8-4-HH-05		NAD			
Room 006, Pantry	White joint compound associated with original sheetrock	8-4-HH-06	MISC	NAD			NO
		8-4-HH-07		NAD			
Room 008, Pantry	Replacement sheetrock	8-4-HH-08	MISC	NAD			NO
		8-4-HH-09		NAD			
Room 010, Pantry	Yellow joint compound associated with replacement sheetrock	8-4-HH-10	MISC	NAD			NO
		8-4-HH-11		NAD			
Pantry, Mechanical Room	Granite pattern self-stick vinyl floor tile	8-4-HH-12	MISC	NAD			NO
		8-4-HH-13		NAD			
Mechanical Room	Insulation backing paper	8-4-HH-14	MISC	NAD			NO
		8-4-HH-15		NAD			
Mechanical Room, Façade A	Thick tar vapor barrier paper over wood siding	8-4-HH-16	MISC	NAD			NO
		8-4-HH-17		NAD			
Mechanical Room	Brown paper vapor barrier paper under wood siding	8-4-HH-18	MISC	NAD			NO
		8-4-HH-19		NAD			
Mechanical Room	Fire board insulation at furnace	8-4-HH-20	MISC	NAD			NO
		8-4-HH-21		NAD			
Bathroom	Stone pattern self-stick vinyl floor tile	8-4-HH-22	MISC	NAD			NO
		8-4-HH-23		NAD			
Stair well	Self-stick vinyl floor tile under granite pattern floor tile	8-4-HH-24	MISC	NAD			NO
		8-4-HH-25		NAD			
Façade C	Black vapor barrier paper under vinyl siding and foam insulation	8-4-HH-28	MISC	NAD			NO
		8-4-HH-29		NAD			

KEY		ANALYTICAL METHODS
DNA = DID NOT ANALYZE	SF = SQUARE FEET	PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT
NAD=NO ASBESTOS DETECTED	LF = LINEAR FEET	TEM NOB = NEW YORK ELAP 198.4 METHOD
F = FRIABLE	Chrys = Chrysotile	PLM = EPA 600/R-93/116
NF = NON-FRIABLE	Amos = Amosite	PS = Previously Sampled
TSI = THERMAL SYSTEMS INSULATION	Anth = Anthophylite	EA = Each
SURF = SURFACING MATERIAL	Trem = Tremolite	
MISC = MISCELLANEOUS MATERIAL	Croc = Crocidolite	

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

APPENDIX 1

FLOOR PLANS

CAPITAL STUDIO ARCHITECTS

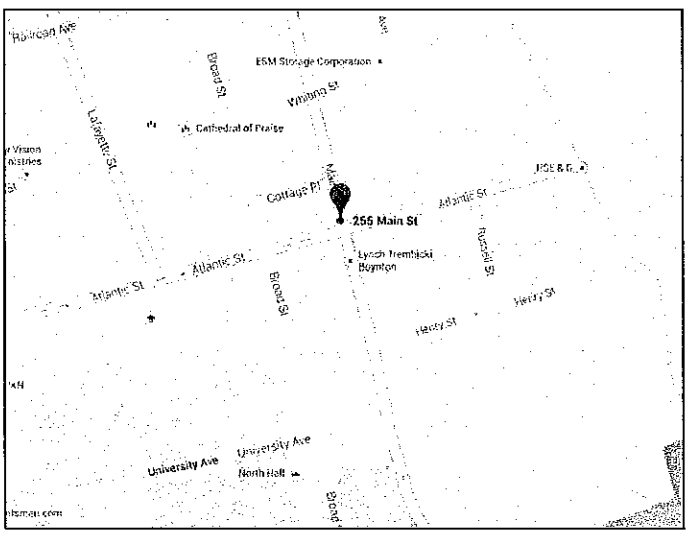
225 MAIN STREET
BRIDGEPORT, CONNECTICUT

EAGLE PROJECT NUMBER: 14-028.12T21

INDEX OF DRAWINGS

SP-1 SITE PLAN
FP-1 FIRST FLOOR PLAN
FP-2 SECOND FLOOR PLAN

LOCATION MAP



MARCH 4, 2015

EAGLE Environmental, Inc.
8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

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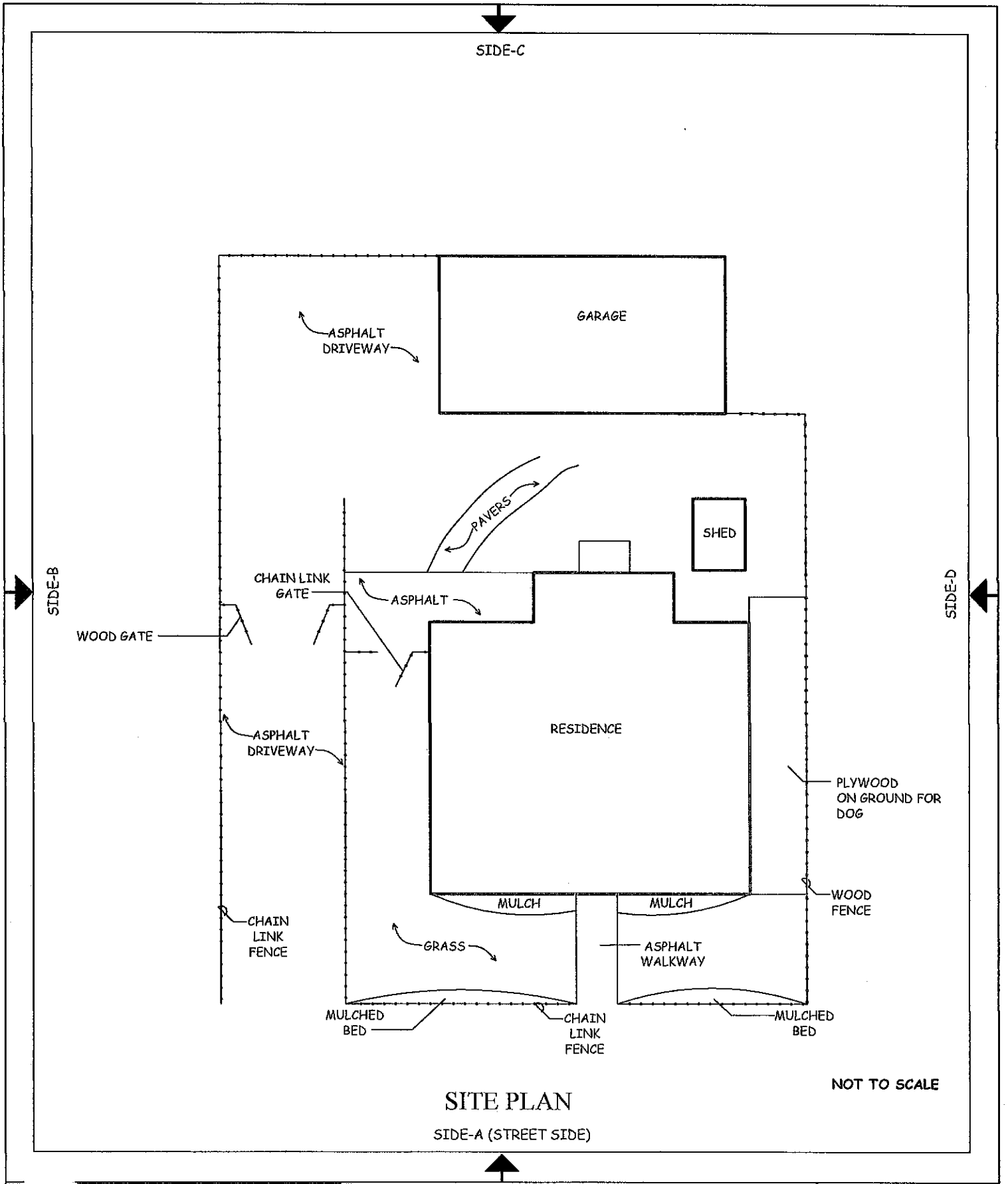

SITE PLAN

SIDE-A (STREET SIDE)

EAGLE Environmental, Inc.
8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

DATE: 03/04/2015
PROJECT NO.: 14-028.12T21
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
225 MAIN STREET
BRIDGEPORT, CONNECTICUT

SHEET NO.
SP-1
SHEET 1 OF 3

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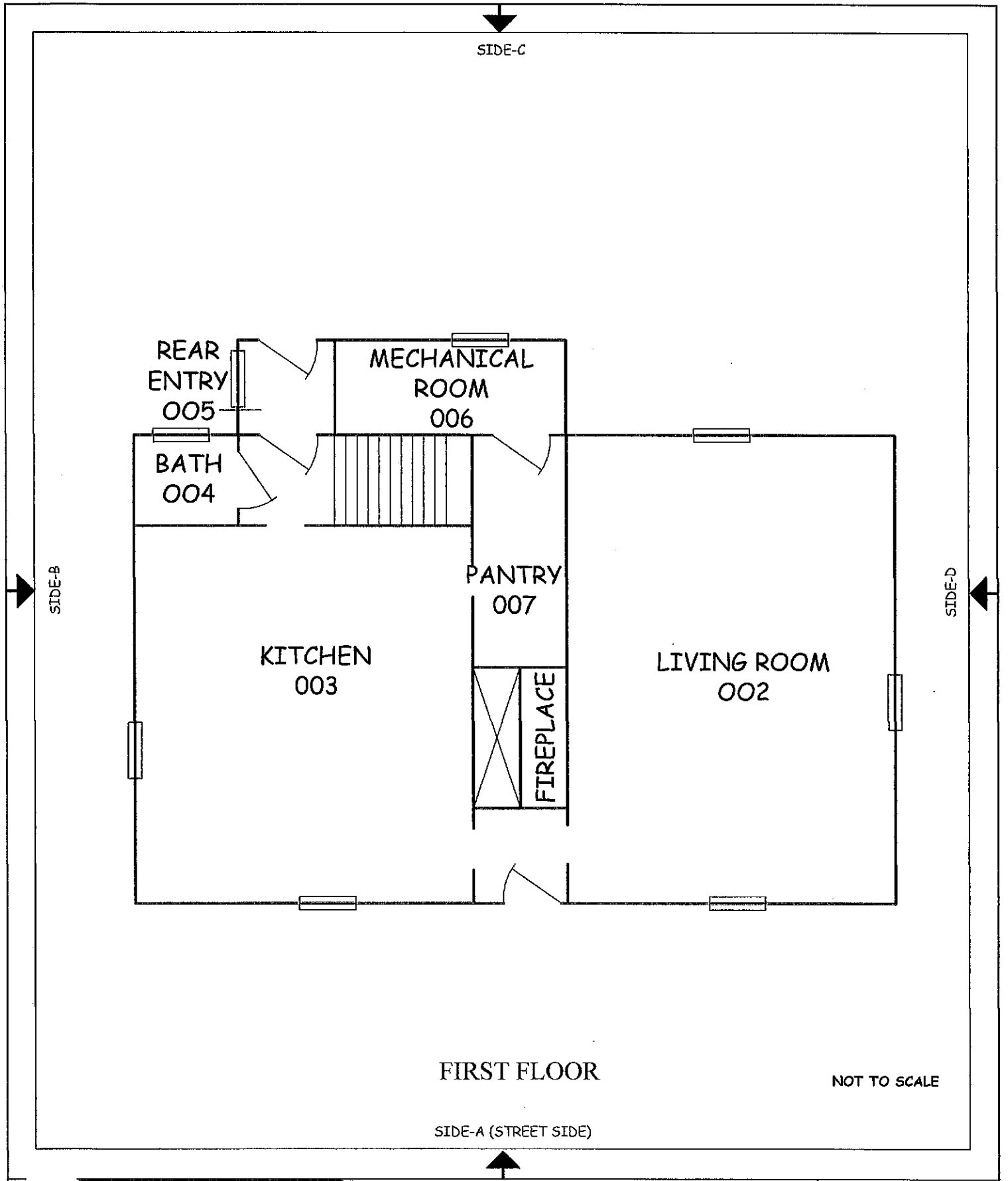

FIRST FLOOR

NOT TO SCALE

EAGLE Environmental, Inc.
8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

DATE: 03/04/2015
PROJECT NO.: 14-028.12T21
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
225 MAIN STREET
BRIDGEPORT, CONNECTICUT

SHEET NO.
FP-1

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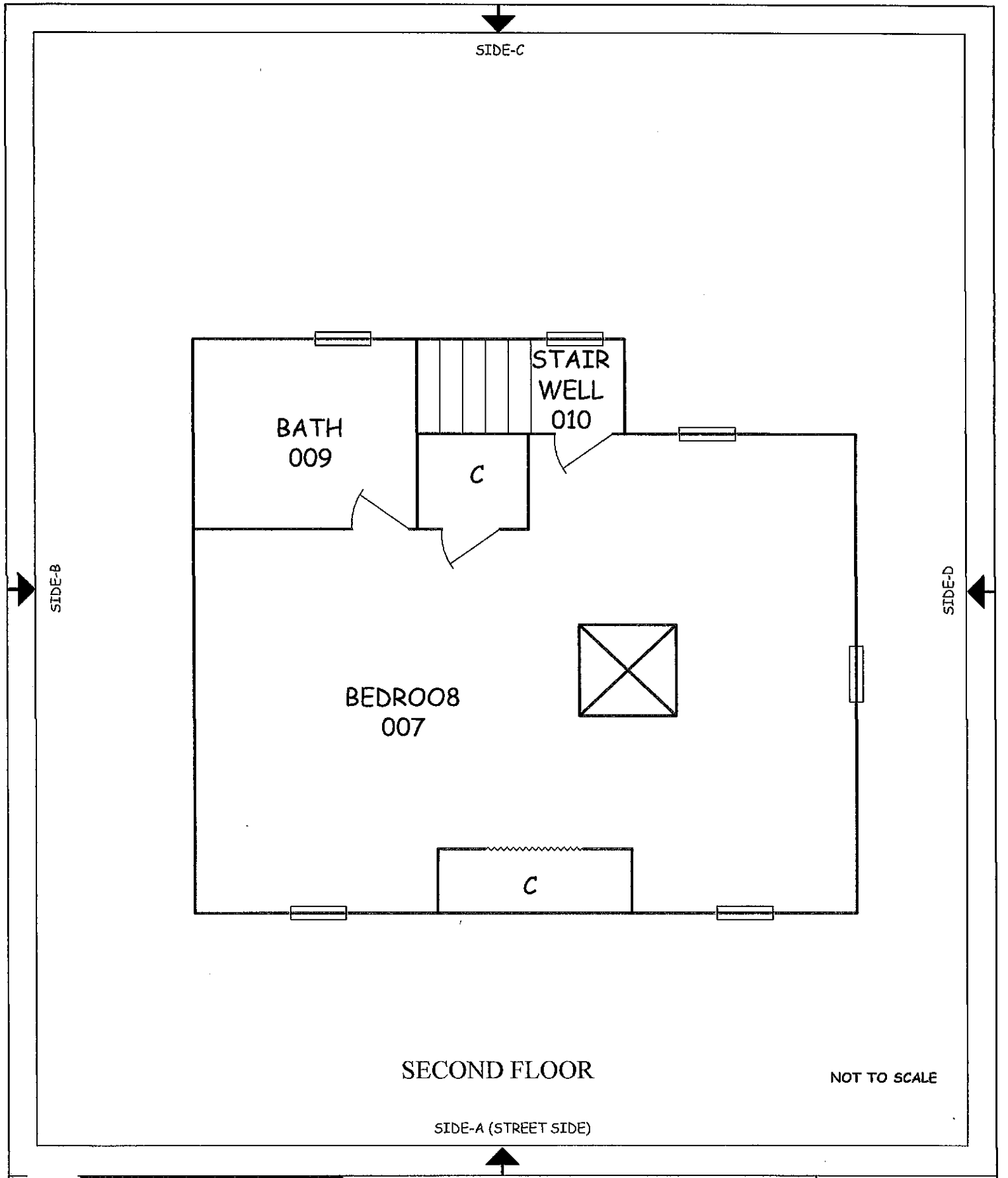

EAGLE Environmental, Inc.
8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

DATE: 03/04/2015
PROJECT NO.: 14-028.12T21
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
225 MAIN STREET
BRIDGEPORT, CONNECTICUT

SHEET NO.
FP-2
SHEET 3 OF 3

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APPENDIX 2

ASBESTOS BULK SAMPLE LABORATORY REPORTS

OrderID: 031430255

031430255

EMSL – MA	EMSL – CT	EMSL – NY	EMSL – NJ
7 Constitution Way, Ste 107 Woburn, MA 01801 (781) 933-8411 (781) 933-8412 Fax	29 N. Plains Hwy, Unit 4 Wallingford, CT 06492 (203) 284-5948 (203) 284-5978 Fax	307 West 38th Street New York, NY 10018 (866) 448-3675 (212) 290-0058 Fax	107 Haddon Avenue Westmont, NJ 08108 (800) 220-3675 (856) 858-4960 Fax

www.emsl.com

Your Name:	Brandy LeBlanc	**Project Manager:**	PF
Company:	Eagle Environmental, Inc.		
Street:	8 South Main Street, Suite 3		
City/State/Zip:	Terryville, CT 06786		
Phone:	860-589-8257 ext. 203 **Fax:** 860-585-7034 **Email:**	bleblanc@eagleenviro.com; nporter@eagleenviro.com; dwynne@eagleenviro.com; rsloch@eagleenviro.com	
Project Name	CSA Super Storm Sandy	**Project #:** 14-028.12T21	
Project Location:	225 Main Street, Bridgeport	**Project State (US):**	CT

TURNAROUND TIME

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

SAMPLE MATRIX

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

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2 August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☒ EPA 600/R-93/116 HA
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198 4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative ☐

TEM WATER
- ☐ EPA 100 1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other: _____

LEAD ANALYSIS

Flame Atomic Absorption
- ☐ Wipe, SW846-7420 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239 2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

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

MICROBIAL ANALYSIS

Air Samples
- ☐ Mold & Fungi by Air O Cell
- ☐ Mold & Fungi by Agar Plate count & id
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other: _____

IAQ ANALYSIS

- ☐ Nuisance Dust (NIOSH 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other: _____

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

HA 8/6 5:20PM

Client Sample # (S)	8-4-HH-01	8-4-HH-29		**TOTAL SAMPLE #**	28 / 29
Relinquished:	HANNAH HINTZ	**Date:**	8-4-2014	**Time:**	PM
Received:	NANCY PORTER	**Date:**	8-4-2014	**Time:**	PM
Relinquished:	NANCY PORTER	**Date:**	8-4-2014	**Time:**	PM
Received:	Brian Estabrook	**Date:**	8/5/14	**Time:**	10:01AM

8/5/14 8/6R

OrderID: 031430255

EMSL – MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
(781) 933-8412 Fax

EMSL – CT
29 N. Plains Hwy, Unit 4
Wallingford, CT 06492
(203) 284-5948
(203) 284-5978 Fax

EMSL – NY
307 West 38th Street
New York, NY 10018
(866) 448-3675
(212) 290-0058 Fax

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

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SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
8-4-HH-01	White plaster debris at crawl space floor	Crawl		NAD
8-4-HH-02	White plaster debris at crawl space floor	Crawl		
8-4-HH-03	White plaster debris at crawl space floor	Crawl		
8-4-HH-04	Original sheetrock	Kitchen		
8-4-HH-05	Original sheetrock	Kitchen		
8-4-HH-06	White joint compound asso. w/ org. sheetrock	Rm 06		
8-4-HH-07	White joint compound asso. w/ org. sheetrock	Pantry		
8-4-HH-08	Replacement sheetrock	Rm 08		
8-4-HH-09	Replacement sheetrock	Pantry		
8-4-HH-10	Yellow joint compound assoc. w/ replacement SR	Rm 10		
8-4-HH-11	Yellow joint compound assoc. w/ replacement SR	Pantry		
8-4-HH-12	Granite pattern self-stick vinyl floor tile	Pantry		
8-4-HH-13	Granite pattern self-stick vinyl floor tile	Mech. Rm		
8-4-HH-14	Insulation backing paper	Mech. Rm		
8-4-HH-15	Insulation backing paper	Mech. Rm		
8-4-HH-16	Thick tar vapor barrier paper over wood siding	Mech. Rm		
8-4-HH-17	Thick tar vapor barrier paper over wood siding	Fac A		
8-4-HH-18	Brown paper vapor barrier paper under wood siding	Mech. Rm		
8-4-HH-19	Brown paper vapor barrier paper under wood siding	Mech. Rm		
8-4-HH-20	Fire board insulation at furnace	Mech. Rm		
8-4-HH-21	Fire board insulation at furnace	Mech. Rm		
8-4-HH-22	Stone pattern self-stick vinyl floor tile	Bath	HA 8/6 8:20AM	
8-4-HH-23	Stone pattern self-stick vinyl floor tile	Bath		
8-4-HH-24	Self-stick vinyl floor tile under granite patt FT	Stair well		
8-4-HH-25	Self-stick vinyl floor tile under granite patt FT	Stair well	031430255	

Brian Eckert 8/5/14 10:01 AM

8/6/14 8:20AM

OrderID: 031430255

EMSL – MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
(781) 933-8412 Fax

EMSL – CT
29 N. Plains Hwy, Unit 4
Wallingford, CT 06492
(203) 284-5948
(203) 284-5978 Fax

EMSL – NY
307 West 38th Street
New York, NY 10018
(866) 448-3675
(212) 290-0058 Fax

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

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SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
8-4-HH-26	Cement board siding	Fac A		22% Chrys
8-4-HH-27	Cement board siding	Fac C		DNA
8-4-HH-28	Blk vapor barr paper under vinyl siding & Fl	Fac C		NAD
8-4-HH-29	Blk vapor barr paper under vinyl siding & Fl	Fac C		↓
	031430255		HA 8/6	8:20am

1 08/14 8AM

Brian Erhardt 8/5/14 10:01AM

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031430255
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

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

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	08/05/14 10:01 AM
Analysis Date:	8/6/2014
Collected:	8/4/2014

Project: **14-028-12t21/ CSA SUPER STORM SANDY/ 225 MAIN STREET/ BRIDGEPORT, CT**

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**% Non-Fibrous**	**% Type**
8-4-HH-01 *031430255-0001*	WHITE PLASTER DEBRIS/ CRAWLSPACE FLOOR - CRAWL	Gray/Tan Non-Fibrous Heterogeneous	1%	Hair	65% Quartz 9% Ca Carbonate 25% Non-fibrous (other)	**None Detected**
8-4-HH-02 *031430255-0002*	WHITE PLASTER DEBRIS/ CRAWLSPACE FLOOR - CRAWL	Gray/Tan Non-Fibrous Heterogeneous	4% <1%	Hair Cellulose	65% Quartz 11% Ca Carbonate 20% Non-fibrous (other)	**None Detected**
8-4-HH-03 *031430255-0003*	WHITE PLASTER DEBRIS/ CRAWLSPACE FLOOR - CRAWL	Gray/Tan Non-Fibrous Heterogeneous	3% <1%	Hair Cellulose	60% Quartz 12% Ca Carbonate 25% Non-fibrous (other)	**None Detected**
8-4-HH-04 *031430255-0004*	ORIGINAL SHEETROCK / - KITCHEN	Brown/White Fibrous Heterogeneous	7%	Cellulose	65% Gypsum 18% Ca Carbonate 10% Non-fibrous (other)	**None Detected**
8-4-HH-05 *031430255-0005*	ORIGINAL SHEETROCK / KITCHEN - KITCHEN	Brown/Gray Fibrous Homogeneous	5%	Cellulose	25% Quartz 70% Non-fibrous (other)	**None Detected**
8-4-HH-06 *031430255-0006*	WHITE JOINT COMPOUND ASSOC. W./ ORIG. SHEETROCK - ROOM 06	White Non-Fibrous Homogeneous			65% Gypsum 25% Ca Carbonate 10% Non-fibrous (other)	**None Detected**
8-4-HH-07 *031430255-0007*	WHITE JOINT COMPOUND ASSOC. W./ ORIG. SHEETROCK - PANTRY	Brown/White Non-Fibrous Homogeneous	25%	Cellulose	75% Non-fibrous (other)	**None Detected**

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. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11508, NJ NY022, CT PH-0170, MA AA000170

Initial report from 08/06/2014 09:13:19

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031430255
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

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

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	08/05/14 10:01 AM
Analysis Date:	8/6/2014
Collected:	8/4/2014

Project: **14-028-12t21/ CSA SUPER STORM SANDY/ 225 MAIN STREET/ BRIDGEPORT, CT**

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

			Non-Asbestos			Asbestos
Sample	Description	Appearance	% Fibrous		% Non-Fibrous	% Type
8-4-HH-08 *031430255-0008*	REPLACEMENT SHEETROCK - ROOM 08	Brown/White Fibrous Heterogeneous	8%	Cellulose	80% Gypsum 7% Ca Carbonate 5% Non-fibrous (other)	**None Detected**
8-4-HH-09 *031430255-0009*	REPLACEMENT SHEETROCK - PANTRY	Gray Fibrous Homogeneous	5% 2%	Cellulose Glass	62% Gypsum 31% Non-fibrous (other)	**None Detected**
8-4-HH-10 *031430255-0010*	YELLOW JOINT COMPOUND ASSOC. W./ REPLACEMENT SR - ROOM 10	White Non-Fibrous Homogeneous			85% Ca Carbonate 5% Perlite 10% Non-fibrous (other)	**None Detected**
8-4-HH-11 *031430255-0011*	YELLOW JOINT COMPOUND ASSOC. W./ REPLACEMENT SR - PANTRY	White Non-Fibrous Homogeneous			90% Ca Carbonate 5% Perlite 5% Non-fibrous (other)	**None Detected**
8-4-HH-12 *031430255-0012*	GRANITE PATTERN SELF-STICK VFT - PANTRY	Brown/Gray Non-Fibrous Heterogeneous			55% Ca Carbonate 40% Matrix 5% Non-fibrous (other)	**None Detected**
8-4-HH-13 *031430255-0013*	GRANITE PATTERN SELF-STICK VFT - MECH. ROOM	Black Non-Fibrous Homogeneous			15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
8-4-HH-14 *031430255-0014*	INSULATION BACK PAPER - MECH. ROOM	Tan/Black/Pink Fibrous Heterogeneous	20% 50%	Cellulose Glass	15% Matrix 15% Non-fibrous (other)	**None Detected**
8-4-HH-15 *031430255-0015*	INSULATION BACK PAPER - MECH. ROOM	Brown/Black Fibrous Homogeneous	80%	Cellulose	20% Non-fibrous (other)	**None Detected**

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. New York, NY AIHA-LAP, LLC–IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 08/06/2014 09:13:19

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031430255
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

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

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	08/05/14 10:01 AM
Analysis Date:	8/6/2014
Collected:	8/4/2014

Project: **14-028-12121/ CSA SUPER STORM SANDY/ 225 MAIN STREET/ BRIDGEPORT, CT**

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
8-4-HH-16 *031430255-0016*	THICK TAR VAPOR BARRIER OVER WOOD SIDING - MECH. ROOM	Black Fibrous Heterogeneous	35% Cellulose	60% Matrix 5% Non-fibrous (other)	**None Detected**
8-4-HH-17 *031430255-0017*	THICK TAR VAPOR BARRIER OVER WOOD SIDING - FAÇADE A	Black Fibrous Homogeneous	2% Cellulose	55% Matrix 43% Non-fibrous (other)	**None Detected**
8-4-HH-18 *031430255-0018*	BROWN PAPER VAPOR BARRIER UNDER WOOD SIDING - MECH. ROOM	Tan Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (other)	**None Detected**
8-4-HH-19 *031430255-0019*	BROWN PAPER VAPOR BARRIER UNDER WOOD SIDING - MECH. ROOM	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	**None Detected**
8-4-HH-20 *031430255-0020*	FIRE BOARD INSULATION AT FURNANCE - MECH. ROOM	Brown Fibrous Heterogeneous	4% Cellulose 76% Min. Wool	20% Non-fibrous (other)	**None Detected**
8-4-HH-21 *031430255-0021*	FIRE BOARD INSULATION AT FURNANCE - MECH. ROOM	Brown Fibrous Heterogeneous	1% Cellulose 59% Min. Wool	40% Non-fibrous (other)	**None Detected**
8-4-HH-22 *031430255-0022*	STONE PATTERN SELF-STICK VFT - BATH	Gray/Black Non-Fibrous Heterogeneous		60% Ca Carbonate 35% Matrix 5% Non-fibrous (other)	**None Detected**

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

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EMSL Order:	031430255
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Collected:	8/4/2014

Project: **14-028-12t21/ CSA SUPER STORM SANDY/ 225 MAIN STREET/ BRIDGEPORT, CT**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
8-4-HH-23 *031430255-0023*	STONE PATTERN SELF-STICK VFT - BATH	Black Non-Fibrous Homogeneous		15% Matrix 85% Non-fibrous (other)	**None Detected**
8-4-HH-24 *031430255-0024*	SELF-STICK VFT UNDER GRANITE PATTERN FT - STAIRWELL	Gray/Tan Non-Fibrous Heterogeneous		60% Ca Carbonate 35% Matrix 5% Non-fibrous (other)	**None Detected**
8-4-HH-25 *031430255-0025*	SELF-STICK VFT UNDER GRANITE PATTERN FT - STAIRWELL	Black Non-Fibrous Homogeneous		20% Matrix 80% Non-fibrous (other)	**None Detected**
8-4-HH-26 *031430255-0026*	CEMENT BOARD SIDING - FAÇADE A	Gray/White Fibrous Homogeneous		28% Ca Carbonate 50% Non-fibrous (other)	**22% Chrysotile**
8-4-HH-27 *031430255-0027*	CEMENT BOARD SIDING - FAÇADE A				**Stop Positive (Not Analyzed)**
8-4-HH-28 *031430255-0028*	BLACK VAPOR BARRIER PAPER UNDER SIDING AND & F. - FAÇADE C	Black Non-Fibrous Homogeneous	35% Cellulose	60% Matrix 5% Non-fibrous (other)	**None Detected**
8-4-HH-29 *031430255-0029*	BLACK VAPOR BARRIER PAPER UNDER SIDING AND & F. - FAÇADE C	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	**None Detected**

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

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Received:	08/05/14 10:01 AM
Analysis Date:	8/6/2014
Collected:	8/4/2014

Project: **14-028-12t21/ CSA SUPER STORM SANDY/ 225 MAIN STREET/ BRIDGEPORT, CT**

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date::	8/5/2014	Sample Receipt Time:	10:01 AM
Analysis Completed Date:	8/6/2014	Analysis Completed Time:	8:18 AM

Analyst(s):

Henry Akintunde PLM (10)

Steve Jusczuk PLM (18)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or other approved signatory

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APPENDIX 3

INTERIOR AND EXTERIOR VISUAL ASSESSMENT FORMS

EAGLE Environmental, Inc.

EXTERIOR VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Side: Facade A

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTROL
Siding	(A) B C D	I F (P)	XRF (−)	
Skirt Board	A B C D	I F P		See LBP Spec
Corner Board	A B C D	I F P		
Upper Trim	(A) B C D	I F (P)	Assume (+)	
Porch Column	A B C D	I F P		
Porch Floor	A B C D	I F P		
Porch Ceiling	A B C D	I F P		
Porch Trim	A B C D	I F P		
Window Casing	(A) B C D	I F (P)	XRF (−) - no access	
Window Stop	A B C D	I F P	to upper	
Window Jamb	A B C D	I F P	windows -	
Window Sash	A B C D	I F P	assume (+)	
Window Well	A B C D	I F P		
Window Sill	(A) B C D	I F (P)	XRF (−)	
Door	A B C D	I F P		
Door Casing	(A) B C D	I F (P)	XRF (+)	
Door Jamb	A B C D	I F P		
Foundation	A B C D	I F P		
Gutters	A B C D	I F P		
Rain Leaders	A B C D	I F P		
overhang ceil.	(A) B C D	I F (P)		
[illegible]	(A) B C D	I F (P)	XRF (+)	
[illegible]	(A) B C D	I F (P)		
Box Beam	(A) B C D	I F (P)		
lattice	A B C D	I F (P)	(−)	
house sill	(A) B C D	(I) F P	Concrete - XRF	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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	A B C D	I F P		

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EAGLE Environmental, Inc.

EXTERIOR VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Side: Facade B

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTROL
Siding	A (B) C D	(I) F P	XRF (-)	
Skirt Board	A B C D	I F P		See LBP Spec.
Corner Board	A B C D	I F P		
Upper Trim	A (B) C D	I F (P)	No access - assume (+)	
Porch Column	A B C D	I F P		
Porch Floor	A B C D	I F P		
Porch Ceiling	A B C D	I F P		
Porch Trim	A B C D	I F P		
Window Casing	A (B) C D	I F (P)	(+)	
Window Stop	A B C D	I F P	Assume under w/ trim (+)	
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A (B) C D	I F (P)	(+)	
Door	A B C D	I F P		
Door Casing	A B C D	I F P		
Door Jamb	A B C D	I F P		
Foundation	A B C D	I F P		
Gutters	A B C D	I F P		
Rain Leaders	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EXTERIOR VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Side: Facade C

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTROL
Siding	A B (C) D	(I) F P	XRF (-)	
Skirt Board	A B C D	I F P		See LBP Spec
Corner Board	A B C D	I F P		
Upper Trim	A B (C) D	I F (P)	No access - assume (+)	
Porch Column	A B C D	I F P		
Porch Floor	A B C D	I F P		
Porch Ceiling	A B C D	I F P		
Porch Trim	A B C D	I F P		
Window Casing	A B (C) D	I F (P)	XRF (+)	
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B (C) D	I F (P)		
Door	A B (C) D	(I) F P		
Door Casing	A B (C) D	I F (P)	XRF (-)	
Door Jamb	A B (C) D	(I) F P		
Foundation	A B C D	I F P		
Gutters	A B C D	I F P		
Rain Leaders	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

EXTERIOR VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Side: Facade D

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTROL
Siding	A B C (D)	(I) F P	XRF ⊖	
Skirt Board	A B C D	I F P		See LBP Spec
Corner Board	A B C D	I F P		
Upper Trim	A B C (D)	I F (P)	No access- Assume ⊕	
Porch Column	A B C D	I F P		
Porch Floor	A B C D	I F P		
Porch Ceiling	A B C D	I F P		
Porch Trim	A B C D	I F P		
Window Casing	A B C (D)	I F (P)	no access - assume ⊕	
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B C (D)	I F (P)		
Door	A B C D	I F P		
Door Casing	A B C D	I F P		
Door Jamb	A B C D	I F P		
Foundation	A B C D	I F P		
Gutters	A B C D	I F P		
Rain Leaders	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Room No: 001 Crawl space

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	I F P		
Wall	A B C D	I F P		
Ceiling	A B C D	I F P		
Door	A B C D	I F P		
Door Casing	A B C D	I F P		
Door Jamb	A B C D	I F P	NO painted	
Baseboard	A B C D	I F P		
Window Casing	A B C D	I F P		
Window Stop	A B C D	I F P	materials	
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B C D	I F P		
Window Apron	A B C D	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Room No: 002 Living Room

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	laminate	
Wall	(A)(B)(C)(D)	(I) F P		
Ceiling	A B C D	(I) F P		
Door	A B C D	I F P		
Door Casing	A (B) C D	(I) F P		
Door Jamb	A B C D	I F P		
Baseboard	(A)(B) C D	(I) F P		
Window Casing	(A) B (C)(D)	I F P		
Window Stop	A B C D	I F P	visual windows replacements ↓	
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	(A) B (C)(D)	I F P		
Window Apron	(A) B (C)(D)	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
Fireplace	A (B) C D	I F (P)	Brick - XRF	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Room No: 003 Kitchen

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	vinyl tiles	
Wall	(A)(B)(C)(D)	(I) F P		
Ceiling	A B C D	(I) F P		
Door	(A) B C D	I F P	new unpainted door	
Door Casing	(A) B (C)(D)	(I) F P		
Door Jamb	(A) B C D	I F P		
Baseboard	A B C D	I F P		
Window Casing	(A)(B) C D	(I) F P		
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P	vinyl window	
Window Sash	A B C D	I F P	replacements	
Window Well	A B C D	I F P		
Window Sill	(A)(B) C D	(I) F P		
Window Apron	(A)(B) C D	(I) F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	(A)(B) C D	(I) F P		
Crown Molding	A B C D	I F P		
Cabinet	A (B) C (D)	(I) F P		
Cabinet Door	A (B) C (D)	(I) F P		
Cabinet Frame	A (B) C (D)	(I) F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Room No: 004 Bath

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	vinyl tiles	
Wall	(A) (B) (C) (D)	(I) F P		
Ceiling	A B C D	(I) F P		
Door	A B C (D)	(I) F P		
Door Casing	A B C (D)	(I) F P		
Door Jamb	A B C (D)	(I) F P		
Baseboard	A B C D	I F P		
Window Casing	A B (C) D	(I) F P		
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B C D	I F P		
Window Apron	A B C D	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B (C) D	(I) F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
Pipes	A (B) C D	(I) F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Room No: 005 Rear Entry

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	I F P	unpainted concrete	
Wall	A B C D	I F P	new fiberboard	
Ceiling	A B C D	I F P	" "	
Door	A B C D	I F P	3	
Door Casing	A B C D	I F P	new pre-hung	
Door Jamb	A B C D	I F P		
Baseboard	A B C D	I F P		
Window Casing	A B C D	I F P		
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B C D	I F P		
Window Apron	A B C D	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
Door Cas	A B C D	I F P	XRF	
Orn.fric. door jamb stop	A B C D	I F P	XRF	
pipes	A B C D	I F P	copper	
Chairrail	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Room No: 001a Mechanical Room

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	Plywood	
Wall	(A) (B) (C) (D)	(I) F P	Studs/insulation	
Ceiling	A B C D	(I) F P	Studs/insulation	
Door	(A) B C D	(I) F P		
Door Casing	(A) B C D	(I) F P		
Door Jamb	(A) B C D	(I) F P		
Baseboard	A B C D	I F P		
Window Casing	A B C D	I F P		
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B C D	I F P		
Window Apron	A B C D	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
window Framing	A B (C) D	(I) F P	Vinyl window	
pipes	A B C D	(I) F P	Copper	
Exposed Clapboard	(A) B C D	I F (P)	XRF	
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Room No: 007 Painting

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	plywood	
Wall	(A) (B) (C) (D)	(I) F P	ply	
Ceiling	A B C D	(I) F P	plywood	
Door	A (B) C D	(I) F P	ply	
Door Casing	A (B) (C) D	(I) F P		
Door Jamb	A (B) C D	(I) F P		
Baseboard	A B C D	I F P		
Window Casing	A B C D	I F P		
Window Stop	A B C D	I F P		
Window Jamb	A B C D	I F P		
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B C D	I F P		
Window Apron	A B C D	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
Shelving	(A) (B) C (D)	I F (P)	XRF	
Column	A B C (D)	(I) F P		
pipes	A B C (D)	(I) F P		
Underpan-stair	A (B) C D	(I) F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Room No: 008 Bedroom

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	carpet	
Wall	(A)(B)(C)(D)	(I) F P		
Ceiling	A B C D	(I) F P		
Door	A B (C) D	(I) F P		
Door Casing	A B (C) D	(I) F P		
Door Jamb	A B (C) D	(I) F P		
Baseboard	(A)(B)(C)(D)	(I) F P		
Window Casing	(A)(B)(C)(D)	(I) F P		
Window Stop	(A)(B)(C)(D)	(I) F P		
Window Jamb	A B C D	I F P	Vinyl replacement windows	
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	(A)(B)(C)(D)	(I) F P		
Window Apron	(A)(B)(C)(D)	(I) F P		
Closet Door	(A) B (C) D	(I) F (P)		
Clst.Door Casing	(A) B (C) D	(I) F (P)	C-Side x 2	
Clst.Door Jamb	(A) B (C) D	(I) F (P)		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	(A)(B)(C)(D)	(I) F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Room No: 009 Bath

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor	A B C D	(I) F P	ceramic tile	
Wall	(A)(B)(C)(D)	(I) F P		
Ceiling	A B C D	(I) F P		
Door	(A) B C D	(I) F P		
Door Casing	(A) B C D	(I) F P		
Door Jamb	(A) B C D	(I) F P		
Baseboard	A B C D	I F P		
Window Casing	A B (C) D	(I) F P		
Window Stop	A B (C) D	(I) F P		
Window Jamb	A B C D	I F P	visual	
Window Sash	A B C D	I F P	water damage	
Window Well	A B C D	I F P	window	
Window Sill	A B (C) D	(I) F P		
Window Apron	A B C D	I F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C D	I F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C (D)	(I) F P		
Shelving unit	A B C (D)	(I) F P		
Room)	A B C D	(I) F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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EAGLE Environmental, Inc.

INTERIOR
VISUAL ASSESSMENT FORM

Address: 225 Main Street, Bridgeport, CT

Room No: Old Stairwell

COMPONENT	SIDE	RATING	NOTES	INTERIM CONTOL
Floor Leavings	A B C D	(I) F P	vinyl tile	
Wall	(A)(B)(C)(D)	(I) F P		
Ceiling	A B C D	(I) F P		
Door	A B C D	I F P		
Door Casing	(A)(B)(C) D	(I) F P		
Door Jamb	A B C D	I F P		
Baseboard	(A) B (C)(D)	(I) F P		
Window Casing	A B (C) D	(I) F P		
Window Stop	A B (C) D	(I) F P		
Window Jamb	A B C D	I F P	vinyl replacement window	
Window Sash	A B C D	I F P		
Window Well	A B C D	I F P		
Window Sill	A B (C) D	(I) F P		
Window Apron	A B (C) D	(I) F P		
Closet Door	A B C D	I F P		
Clst.Door Casing	A B C D	I F P		
Clst.Door Jamb	A B C D	I F P		
Closet Shelf	A B C D	I F P		
Shelf Support	A B C D	I F P		
Radiator	A B C (D)	(I) F P		
Crown Molding	A B C D	I F P		
Cabinet	A B C D	I F P		
Cabinet Door	A B C D	I F P		
Cabinet Frame	A B C D	I F P		
Stair treads	A B C D	I F (P)	XRF	
risers	A B C D	I F (P)	XRF	
Stringer	A B C D	I F (P)	XRF	
handrail	A B C D	I F (P)	XRF	
Door Kickplate	(A) B C D	(I) F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		
	A B C D	I F P		

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APPENDIX 4

XRF LEAD-BASED PAINT INSPECTION REPORTS

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 08/04/14 11:26

INSPECTION FOR: Mr. David Holmes
Capital Studio Architects
1347 Main Street
East Hartford, CT 06108

PERFORMED AT: 225 Main Street
Bridgeport, CT

INSPECTION DATE: 08/04/14

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 02753

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002206

A Lead-Based Paint Screen was performed for the interiors and exteriors.

SIGNED: _____ Date: 8/4/14

Kristen Liljehult
Lead Inspector / Risk Assessor
Eagle Environmental, Inc.
8 South Main Street, Suite # 3
Terryville, CT 06786

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	08/04/14	225 Main Street
Report Date:	8/4/2014	Bridgeport, CT
Abatement Level:	1.0	
Report No.	S#02753 - 08/04/14 11:26	
Total Readings:	42 Actionable: 18	
Job Started:	08/04/14 11:26	
Job Finished:	08/04/14 12:48	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
022	A	Overhang	Ctr	Ceiling	P	Wood	white	3.5	QM
023	A	Overhang	Ctr	Boxbeam	P	Wood	white	6.1	QM
024	A	Overhang	Ctr	Supports	P	Wood	white	4.1	QM
025	A	Overhang	Ctr	Fascia	P	Wood	white	>9.9	QM
026	A	Door	Ctr	Casing	P	Wood	white	6.5	QM
Comment: Upper trim inaccessible due to height restrictions. Assume leaded.									
Exterior Room 002 Facade B									
033	B	Window	Ctr	Casing	P	Wood	white	1.4	QM
Exterior Room 003 Facade C									
036	C	Window	Rgt	Casing	P	Wood	white	2.1	QM
037	C	Window	Rgt	Sill	P	Wood	white	1.9	QM
Interior Room 005 Rear Entry									
005	A	Door	Ctr	Casing	P	Wood	white	>9.9	QM
006	A	Door non-friction	Ctr	Stop	P	Wood	white	7.5	QM
Interior Room 006 Mechanical									
007	A	Wall exposed clapboard	Ctr		P	Wood	gray	>9.9	QM
Interior Room 008 Bedroom									
011	C	Closet	Ctr	Door Frame	P	Wood	white	>9.9	QM
012	C	Closet	Ctr	Stop	P	Wood	white	2.9	QM
015	C	Closet	Ctr	Baseboard	P	Wood	white	8.6	QM
010	C	Closet	Ctr	Door	P	Wood	red	>9.9	QM
Interior Room 010 Stairwell									
018	-	Stairs	Ctr	Stringers	P	Wood	white	1.7	QM
016	-	Stairs	Ctr	Treads	P	Wood	purple	5.0	QM
017	-	Stairs	Ctr	Risers	P	Wood	purple	1.4	QM
Calibration Readings									

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	08/04/14	225 Main Street
Report Date:	8/4/2014	Bridgeport, CT
Abatement Level:	1.0	
Report No.	S#02753 - 08/04/14 11:26	
Total Readings:	42	
Job Started:	08/04/14 11:26	
Job Finished:	08/04/14 12:48	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
021	A	Facade	Ctr		P	Transite	white	-0.2	QM
022	A	Overhang	Ctr	Ceiling	P	Wood	white	3.5	QM
023	A	Overhang	Ctr	Boxbeam	P	Wood	white	6.1	QM
024	A	Overhang	Ctr	Supports	P	Wood	white	4.1	QM
025	A	Overhang	Ctr	Fascia	P	Wood	white	>9.9	QM
027	A	Lattice	Ctr		P	Wood	white	0.2	QM
028	A	Lower sill	Ctr		P	Concrete	gray	-0.1	QM
029	A	Window	Lft	Casing	P	Wood	white	0.2	QM
031	A	Window	Rgt	Shutter	P	Wood	black	-0.4	QM
026	A	Door	Ctr	Casing	P	Wood	white	6.5	QM
Comment: Upper trim inaccessible due to height restrictions. Assume leaded.									
Exterior Room 002 Facade B									
032	B	Facade	Ctr		I	Transite	white	-0.6	QM
033	B	Window	Ctr	Casing	P	Wood	white	1.4	QM
034	B	Window	Ctr	Sill	P	Wood	white	0.1	QM
Exterior Room 003 Facade C									
035	C	Facade	Ctr		P	Transite	white	-1.1	QM
036	C	Window	Rgt	Casing	P	Wood	white	2.1	QM
037	C	Window	Rgt	Sill	P	Wood	white	1.9	QM
038	C	Door	Ctr	Casing	P	Wood	white	0.0	QM
Exterior Room 004 Facade D									
039	D	Facade	Ctr		P	Transite	white	-0.6	QM
Comment: No access to d-façade. assume window and upper trim are leaded.									
Interior Room 002 Living Rm									
004	B	Fireplace	Ctr		P	Brick	black	0.3	Std
Interior Room 005 Rear Entry									
005	A	Door	Ctr	Casing	P	Wood	white	>9.9	QM
006	A	Door non-friction	Ctr	Stop	P	Wood	white	7.5	QM
Interior Room 006 Mechanical									
007	A	Wall exposed clapboard	Ctr		P	Wood	gray	>9.9	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 007 Pantry									
009	B	Shelving	Ctr		P	Wood	white	-0.6	QM
008	D	Shelving	Ctr		P	Wood	white	-0.4	QM
Interior Room 008 Bedroom									
011	C	Closet	Ctr	Door Frame	P	Wood	white	>9.9	QM
012	C	Closet	Ctr	Stop	P	Wood	white	2.9	QM
013	C	Closet	Ctr	Door thresh	P	Wood	varnish	-0.1	QM
015	C	Closet	Ctr	Baseboard	P	Wood	white	8.6	QM
010	C	Closet	Ctr	Door	P	Wood	red	>9.9	QM
014	C	Closet	Ctr	Wall	P	Dry wall	white	-0.2	QM
Interior Room 010 Stairwell									
018	-	Stairs	Ctr	Stringers	P	Wood	white	1.7	QM
019	-	Stairs	Ctr	Handrail	P	Wood	purple	-0.4	QM
020	-	Stairs	Ctr	Landing	P	Wood	purple	0.0	QM
	Exposed floor edge								
016	-	Stairs	Ctr	Treads	P	Wood	purple	5.0	QM
017	-	Stairs	Ctr	Risers	P	Wood	purple	1.4	QM
Calibration Readings									
001								1.1	TC
002								1.0	TC
003								1.1	TC
030								-0.1	QM
040								1.0	TC
041								1.1	TC
042								1.0	TC

---- End of Readings ----

APPENDIX 5

LEAD DUST SAMPLE LABORATORY REPORTS

OrderID: 031430183 Ø31430183

EMSL – MA	EMSL – CT	EMSL – NY	EMSL – NJ
7 Constitution Way, Ste 107 Woburn, MA 01801 (781) 933-8411 (781) 933-8412 Fax	29 N. Plains Hwy, Unit 4 Wallingford, CT 06492 (203) 284-5948 (203) 284-5978 Fax	307 West 38th Street New York, NY 10018 (866) 448-3675 (212) 290-0058 Fax	107 Haddon Avenue Westmont, NJ 08108 (800) 220-3675 (856) 858-4960 Fax

www.emsl.com

Your Name:	Brandy LeBlanc	**Project Manager:**	PF
Company:	Eagle Environmental, Inc.		
Street:	8 South Main Street, Suite 3		
City/State/Zip:	Terryville, CT 06786		
Phone:	860-589-8257 ext. 203 **Fax:** 860-585-7034	**Email:**	bleblanc@eagleenviro.com; nporter@eagleenviro.com; dwynne@eagleenviro.com; rsloch@eagleenviro.com
Project Name	Capital Studio Architects - Environmental Review	**Project #:**	14-02812T21
Project Location:	225 Main Street, Bridgeport	**Project State (US):**	CT

TURNAROUND TIME

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

SAMPLE MATRIX

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

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2: August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☐ EPA 600/R-93/116
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative ☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other:_____

LEAD ANALYSIS

Flame Atomic Absorption
- ☒ Wipe, SW846-7420 ☒ ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

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

MICROBIAL ANALYSIS

Air Samples
- ☐ Mold & Fungi by Air O Cell
- ☐ Mold & Fungi by Agar Plate count & Id
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:_____

IAQ ANALYSIS

- ☐ Nuisance Dust (NIOSH 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:_____

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

Client Sample # (S)	8/4 KL 01	8/4 KL 10	**TOTAL SAMPLE #**	10	
Relinquished:	Kristen Liljehult	**Date:**	8/4/14	**Time:**	PM
Received:		**Date:**	8-4-14	**Time:**	PM
Relinquished:		**Date:**	8-4-14	**Time:**	PM
Received:		**Date:**	8/5/14	**Time:**	9:53AM

Page 1

OrderID: 031430183 Ø3143Ø183

EMSL
www.emsl.com

EMSL – MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
(781) 933-8412 Fax

EMSL – CT
29 N. Plains Hwy, Unit 4
Wallingford, CT 06492
(203) 284-5948
(203) 284-5978 Fax

EMSL – NY
307 West 38th Street
New York, NY 10018
(866) 448-3675
(212) 290-0058 Fax

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

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
8/4 KL 01	Floor at Entry	Kitchen		144
8/4 KL 02	Window well	Kitchen		3×23.5
8/4 KL 03	Floor	Living Rm		144
8/4 KL 04	Window sill	Living Rm		3.5×26.25
8/4 KL 05	Floor at Entry	Rear Entry		144
8/4 KL 06	Window Sill	Rear Entry		2.75×29.5
8/4 KL 07	Floor	Bedroom		144
8/4 KL 08	Window Well	Bedroom		3×23.5
8/4 KL 09	Field blank			N/A
8/4 KL 10	Field blank			N/A

Brian Erhardt
8/15/11 9:53 AM

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031430183
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

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

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	08/05/14 9:53 AM
Collected:	8/4/2014

Project: **14-02812T21/ CAPITAL STUDIO ARCHITECTS - ENVIRONMENTAL REVIEW/ 225 MAIN STREET, BRIDGEPORT CT**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
8/4 KL 01	*031430183-0001*	8/4/2014	8/5/2014	144 in²	<10 µg/ft²
	Site: FLOOR AT ENTRY/ KITCHEN				
8/4 KL 02	*031430183-0002*	8/4/2014	8/5/2014	70.5 in²	360 µg/ft²
	Site: WINDOW WELL/ KITCHEN				
8/4 KL 03	*031430183-0003*	8/4/2014	8/5/2014	144 in²	<10 µg/ft²
	Site: FLOOR/ LIVING RM				
8/4 KL 04	*031430183-0004*	8/4/2014	8/5/2014	91.875 in²	110 µg/ft²
	Site: WINDOW SILL/ LIVING RM				
8/4 KL 05	*031430183-0005*	8/4/2014	8/5/2014	144 in²	14 µg/ft²
	Site: FLOOR AT ENTRY/ REAR ENTRY				
8/4 KL 06	*031430183-0006*	8/4/2014	8/5/2014	81.125 in²	440 µg/ft²
	Site: WINDOW SILL/ REAR ENTRY				
8/4 KL 07	*031430183-0007*	8/4/2014	8/5/2014	144 in²	<10 µg/ft²
	Site: FLOOR/ BEDROOM				
8/4 KL 08	*031430183-0008*	8/4/2014	8/5/2014	70.5 in²	260 µg/ft²
	Site: WINDOW WELL/ BEDROOM				
8/4 KL 09	*031430183-0009*	8/4/2014	8/5/2014	n/a	<10 µg/wipe
	Site: FIELD BLANK				
8/4 KL 10	*031430183-0010*	8/4/2014	8/5/2014	n/a	<10 µg/wipe
	Site: FIELD BLANK				

M. Apfeldorfer

Miron Apfeldorfer, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. 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.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--ELLAP Accredited #102581, NYS ELAP 11506

Initial report from 08/05/2014 17:18:38

APPENDIX 6

RADON TESTING REPORTS

RADON TESTING NOT PERFORMED

The structure is proposed to be elevated with the lowest level of the building not in contact with the ground.

APPENDIX 7

MOLD INSPECTION FORMS

EAGLE Environmental, Inc.

MOLD MOISTURE READING FORM

Eagle Project No: 14-028.12T21 Date: August 4, 2015 Inspector: Kristen Liljehult

Facility Address: 225 Main Street, Bridgeport

MOISTURE MODE						
ROOM	COMPONENT	SUBSTRATE	REL. SURFACE MOISTURE	DRY	AT RISK	WET
003	Wall	Sheetrock	9.9%	X		
003	Ceiling	Sheetrock	16.5%	X		
010	Stair Tread	Wood	14.0%	X		
004	Window Frame	Wood	10.8%	X		
003	Floor	Vinyl	16.0%	X		
002	Door Casing	Wood	10.7%	X		

HYGROMETER MODE				
TIME	ROOM	% RELATIVE HUMIDITY	AIR TEMP.	DEW POINT TEMP.
11:30	003	67.4%	28.4	21.4

EAGLE Environmental, Inc.

MOLD OBSERVATION FORM

Eagle Project No: 14-028.12T21 Date: August 4, 2015 Inspector: Kristen Liljehult

Facility Address: 225 Main Street, Bridgeport

Location	Observation	Sample Number
Rooms 002-010	No signs of water damage throughout interior. New flooring,	
(Throughout)	new sheetrock, new insulation and new wiring was done after	
	the storm Event.	

APPENDIX 8

ABATEMENT AND CONSULTING COST ESTIMATE

HAZARDOUS MATERIALS ABATEMENT COST ESTIMATES
APPLICATION NO. 1738
225 MAIN STREET
BRIDGEPORT, CONNECTICUT

ASBESTOS REMOVAL COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
CEMENT SHINGLES	1	$ 1,500.00 EACH	$ 1,500.00
SUBTOTAL			$ 1,500.00
ASBESTOS REMOVAL CONTINGENCY			$ 300.00
ASBESTOS REMOVAL TOTAL			**$ 1,800.00**

LEAD BASED PAINT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
LEAD-BASED PAINT ALLOWANCE	1	$ 12,500.00 EACH	$ 12,500.00
SUBTOTAL			$ 12,500.00
LEAD RENOVATION CONTINGENCY			$ 2,500.00
LEAD RENOVATION TOTAL			**$ 15,000.00**

CONSULTING COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
CONSULTING ALLOWANCE	1	$ 1,800.00 EACH	$ 1,800.00
SUBTOTAL			$ 1,800.00
CONSULTING CONTINGENCY			$ 360.00
CONSULTING TOTAL			**$ 2,160.00**

TOTAL **$ 18,960.00**

APPENDIX 9

EAGLE ENVIRONMENTAL, INC. LICENSES

AND LABORATORY CERTIFICATES

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
04/30/15
VALIDATION NO.
03-794089

SIGNATURE

COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Hannah Hintz

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

conducted by

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

Gregory J. Morach
Principal Instructor

May 15, 2014
Date of Course

May 15, 2015
Expiration Date

Gregory J. Morach
Regional Manager

SIAR-4897
Certificate Number

May 15, 2014
Examination 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

HANNAH E HINTZ

CERTIFICATE NO.
000816

CURRENT THROUGH
06/30/16

VALIDATION NO.
03-912706

SIGNATURE

COMMISSIONER

Environmental Training and Assessment

Certificate of Completion
Lead Inspector/Risk Assessor — Refresher

Awarded To

Kristen Liljehult
269 Baileyville Road
Middlefield, CT 06455

Has successfully completed, and passed an examination covering the contents of a EPA Model Eight (8) Hour Refresher Training Course for Lead Inspector/Risk Assessor and in accordance with the Department of Public Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes. Approved under the New Standard and 40 CFR 745.225(c)(8)(i).

Course Date: 1/2/2014 Examination Grade: 88%
Examination Date: 1/2/2014 Certificate Number: LI/RAR-00350
Expiration Date: 1/2/2015

Stephen Craig
Stephen J. Craig, Training Manager

Boston Lead Company, LLC
dba
Environmental Training and Assessment
62 Washington Street
Middletown, CT 06457
860-347-7277

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

LEAD INSPECTOR RISK ASSESSOR

KRISTEN P. LILJEHULT

CERTIFICATION NO.
002206
CURRENT THROUGH
12/31/14
VALIDATION NO.
03-715183

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, INC. – MANHATTAN, NY

LOCATED AT 307 West 38th Street IN New York, NY 10018

AND REGISTERED IN THE NAME OF Peter Piasca, Ph.D.

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

ASBESTOS

Examination For:
Bulk – Identification (PLM, TEM)
Air – Fiber Counting (PCM, TEM)
Water – TEM

Environmental Health & Housing

Examination For:
Lead in Paint
Lead Paint in Soil
Lead in Dust Wipes

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES September 30, 2014 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 4th DAY OF October, 2012

Registration No.
PH-0170

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION