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1 August 2017

Elizabeth Swenson
Department of Housing
505 Hudson Street
Hartford, CT 06106

RE: Applicant 5061, 758 East Broadway, Milford, CT

Dear Ms. Swenson,

This letter is to provide a summary description of the Statutory Checklist for CDBG-DR Applicant – 5061 – Damian Pasqua.

The following Statutory Checklist Items have backup documentation which is provided as attachments,

- Item 1 – CT State Historic Preservation Office (SHPO) Determination Statement
- Item 2 – National Flood Insurance Program FIRMette Map
- Item 3 – U.S. Fish and Wildlife Service, National Wetlands Inventory Mapping
- Item 4 – Connecticut Coastal Boundary Mapping
- Item 5 – Connecticut Aquifer Protection Area Mapping
- Item 6A – Natural Diversity Database Mapping
- Item 6B – U.S. Fish and Wildlife, Information Planning and Conservation List
- Item 11 – Connecticut Department of Economic and Community Development list of Distressed Municipalities
- Item 12-A – National Flood Insurance Program FIRMette Map
- Item 12-B – Coastal Barrier Resource System Map
- Item 13-C – Hazardous Material Inspection Report
- Item 13-D – Hazardous Material Inspection Report
- Item 13-E – Hazardous Material Inspection Report
- Item 13-F – Hazardous Material Inspection Report
- Item 14-A – National Flood Insurance Program FIRMette Map, Flood Management Certification Appendix B, Professional Certification
- Item 14-C – Tidal Wetlands Map

Checklist list items requiring permitting and/or regulatory review include

- Item 14-A – Flood Management Certification

- Item 14-E – Review by City of Milford Municipal board will be necessary to obtain a Building Permit

Please contact me at 860-436-4364 with questions or comments.

Yours Sincerely,



Richard Couch, PE

Member

Martinez Couch & Associates, LLC

Figure E-10 Statutory Checklist

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 No. CDBG-DR Applicant 5061 – 758 East Broadway

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]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See attachment 1 for determination statement from CT State Historic Preservation Office. Project activities will have no adverse effects on the state of Connecticut’s historic resources.
2. Floodplain Management [58.5(b)] [Ex Or 11988] [24 CFR 55]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	National Flood Insurance Program (NFIP), Flood Insurance Rate Map (FIRM) Number 09009C0529J, Revised July 8 th , 2013 indicates the project site at 758 East Broadway, Milford, CT is located inside Zone AE with a base flood elevation of 11 feet defined for the 1% Annual Chance Flood. Refer to Attachment 2 included as documentation. 8 Step decision making process completed by CT DOH.
3. Wetland Protection [58.5 (b)]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	United States Fish and Wildlife Services (USFWS), National Wetlands Inventory (NWI) mapping identifies the project site outside a wetland zone. See attachment 3 for map documentation. Mapping is Geographic Information System (G.I.S.) map created using data accessed from USFWS NWI website at http://www.fws.gov/wetlands/Data/State-Downloads.html . 8 step decision making process completed by CT DOH.
4. Coastal Zone Management [58.5(c)]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Project site at 758 East Broadway, Milford, CT is located inside a Coastal Boundary Zone. See attachment 4 for map documentation. Mapping is Geographic Information System (G.I.S.) map created using data accessed from CT Environmental Conditions Online (CT ECO) of the Coastal Boundary Zone from http://www.cteco.uconn.edu/
5. Water Quality – Aquifers [58.5(d)] [40 CFR 149]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On site water and sewer facilities are not included in rehabilitation work for 758 East Broadway, Milford, CT. Connecticut DEEP Bureau of Water Protection and Land Reuse

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.
							map titled 'Connecticut Aquifer Protection Areas' dated February 14, 2017 does not identify aquifer protection areas in the City of Milford Connecticut near the project site. See attachment 5 for documentation.
6. Endangered Species [58.5(e)] [16 U.S.C. 1531 et seq.]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Project is located outside mapped Natural Diversity Data Base (NDDB) areas from CT DEEP. See attachment 6A for Geographic Information System (G.I.S.) map of NDDB areas created using data accessed from Connecticut Environmental Conditions Online (CT ECO) at http://www.cteco.uconn.edu/ . U.S. Fish & Wildlife Service Information, Planning, and Conservation (IPaC) List, included as attachment 6B. Residential construction at project site will not effect the two (2) threatened species, one (1) endangered specie, or the 16 Migratory Birds on the IPaC list. No Critical Habitats or Wildlife Refugees are identified in the project site.
7. Wild and Scenic Rivers [58.5 (f)] [16 U.S.C. 1271 et seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project site is not proximate to the Eight Mile River or the Farmington River West Branch listed in the National Wild and Scenic Rivers System.
8. Air Quality [58.5(g)] [42 U.S.C. 7401 et seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No quantifiable increase in air pollution is measurable for proposed rehabilitation activities.
9. Farmland Protection [58.5(h)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All activity will occur inside existing structure foot print and no change in land use is proposed.
Manmade Hazards 10 A. Thermal Explosive [58.5(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Per 24 CFR 51 Subpart C and HUD Guidebook 6600.G rehabilitation work that does not alter the number dwelling units or a change of land use is not subject to Acceptable Separation Distance (ASD) requirements for HUD assisted projects near hazardous operations handling petroleum products or chemicals of an explosive or flammable nature.
10 B. Noise [58.5(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Noise Abatement and Control requirements per 24 CFR 51.101(a)(3) are not applicable to HUD assisted projects which restore facilities substantially as they existed prior to a disaster.
10 C. Airport Clear Zones [58.5 (i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The residential structure at 758 East Broadway is located outside the Runway Clear Zone of Tweed/New Haven Commercial Airport.
10 D. Toxic Sites [58.5 (i)(2)(i)]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The project site at 758 East Broadway, Milford, CT is,</p> <ol style="list-style-type: none"> 1. Not listed on EPA's NPL Lists (Proposed and Final) or the State of Connecticut's Superfund Priority List; 2. Not listed in Comprehensive Environmental Response and Compensation Liability Information System (CERCLIS) database search as a Comprehensive Environmental Response and Compensation Liability Act (CERCLA) site;

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. Not located within 3,000 feet of a landfill site as listed on CT DEEP's active landfill list; 4. Not listed on CT DEEP's Underground Storage Tank list 5. Not listed on CT DEEP's list of potentially contaminated sites and is not known or suspected to be contaminated by toxic chemicals or radioactive materials
11. Environmental Justice [58.5(j)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The rehabilitation work at the project site, 758 East Broadway, Milford, CT, is compatible with the surrounding residential use and no adverse human health and environmental effects on minority or low income populations are expected. The City of Milford, Connecticut is not listed by the Connecticut Department of Economic and Community Development (CT DECD) as a distressed municipality as defined in C.G.S. Section 22a-20. See attachment 7 for the 2016 listing of distressed municipalities in CT from the CT DECD in which City of Milford, CT is not listed.
Document Laws and authorities listed at Sec. 58.6 and other potential environmental concerns							
12 A. Flood Insurance [58.6(a) & (b)]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	National Flood Insurance Program (NFIP), Flood Insurance Rate Map (FIRM) Number 09009C0529J, Revised July 8, 2017 indicates the project site at 758 East Broadway is located inside Zone AE with a base flood elevation of 11 feet defined for the 1% Annual Chance Flood. Refer to Attachment 2 included as documentation. Property owner will be required to maintain flood insurance for a period of 5 years as a condition of receiving CDBG-DR OORR assistance. CT DOH to enforce owner maintaining flood insurance.
12 B. Coastal Barriers [58.6(c)]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Project at 758 East Broadway, Milford, CT is not located within a Coastal Barrier Resource System unit. See attachment 8 for documentation. Mapping is Geographic Information System (G.I.S.) map created using data digitized from official John H. Chafee Coastal Barrier Resource System maps enacted by law and endorsed by the U.S. Fish and Wildlife Service. Digital data was accessed from CT Environmental Conditions Online (CT ECO) at http://www.cteco.uconn.edu/
12 C. Airport Clear Zone Notification [58.6(d)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project does not involve the purchase or sale of a property as such 24 CFR 58.6(d) is not applicable.
13 A. Solid Waste Disposal [42 U.S.C. S3251 et seq.] and [42 U.S.C. 6901-6987 eq seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rehabilitation activities to the residential structure at the project site, 758 East Broadway, Milford, CT, are not expected to affect the capacities of solid waste disposal services.

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.
13 B. Fish and Wildlife [U.S.C. 661-666c]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project activities will not result in impounding, diverting, deepening, channelizing or modification of any stream or body of water. Project is not a water control project.
13 C. Lead-Based Paint [24 CFR Part 35] and [40 CFR 745.80 Subpart E]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Residential Structure at 758 East Broadway was built prior to 1978. The results of a Lead Paint Survey are included in attachment 9, 'Hazardous Materials Inspection Report, 758 East Broadway, Milford, CT', dated 31 October 2016, prepared by Facility Support Services, LLC. The one non-intact leaded surface will be addressed per attachment 10, 'Lead Hazard Remediation Project, 758 East Broadway, Milford, CT'.
13 D. Asbestos	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No Asbestos Containing Materials (ACM's) were identified in sampled materials to be disturbed by project work. Results of sampled materials testing are included in attachment 9, 'Hazardous Material Inspection Report, 758 East Broadway, Milford, CT', 31 October, 2016, prepared by Facility Support Services, LLC.
13 E. Radon [50.3 (i) 1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Due to the proposed foundation type of with open space below the finished living space, radon testing and mitigation is not applicable.
13 F. Mold	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No specific regulation regarding the levels requiring mold mitigation or abatement are enacted by law in the State of Connecticut. Accelerated mold growth is not indicated by testing results at the project site. The procedures and results of the microbial testing for mold spores conducted at the project site are included in attachment 9, 'Hazardous Material Inspection Report 759 East Broadway, Milford, CT', 31 October 2016, prepared by Facility Support Services, LLC.
Other: State or Local 14 A. Flood Management Certification [CGS 25-68]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	National Flood Insurance Program (NFIP), Flood Insurance Rate Map (FIRM) Number 09009C0529J, Revised July 8, 2013 identifies the property at 758 East Broadway, Milford, CT, is located inside Zone AE with a base flood elevation of 11 feet defined for the 1% Annual Chance Flood. See attachment 2 for documentation. See attachment 11 for the Professional Certification Appendix B of the Flood Management Certification for the General Permit for the CDBG-DR OORR/SSRR Program.
14 B. Structures, Dredging & Fill Act [CGS 22a-359 to 22a-363f]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rehabilitation work at project site does not propose any adverse impacts to coastal resources nor propose any activity waterward of the coastal jurisdiction line.
14 C. Tidal Wetlands Act [CGS 22a-28 to 22a-35]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Connecticut Department of Energy and Environmental Protection 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. See attachment 12 for documentation. Mapping is Geographic Information System (G.I.S.) map created using data accessed from 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.
							Environmental Conditions Online (CT ECO) of Tidal Wetlands Mapping accessed from http://www.cteco.uconn.edu/
14 D. Local inland wetlands/watercourses [CGS 22a-42]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project rehabilitation work is not expected to impact wetlands/watercourses.
14 E. Various municipal zoning approvals	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rehabilitation activities at the project site will need review by City of Milford Building Department for issuance of required building permit.

DETERMINATION:

- This project converts to Exempt, per §58.349a)(12), because it does not require any mitigation for compliance with any listed statutes or authorities, nor requires any formal permit or license. Funds may be drawn down for this (now) EXEMPT project; **OR**
- This project cannot convert to Exempt because one or more statutes/authorities requires consultation or litigation. Complete consultation/mitigation requirements, publish NOI/RR0F 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:



Richard Couch, P.E., Member
Martinez Couch & Associates, LLC.

Date

7/28/2017

Responsible Entity or designee Signature:

Hermia Delaire, CDBG-DR Program Manager

Date



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Attachment 1 – Checklist Item # 1 Documentation – CT SHPO Determination Statement



Department of Economic and
Community Development

Connecticut
still revolutionary

Liz

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: 758 East Broadway
Milford, CT

Pasqua
5061

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.

SHPO understands that the property owners have requested funding from your agency to reimburse expenses associated with rehabilitation. The property located at 758 East Broadway appears to be eligible for listing on the National Register of Historic Places as a contributing resource to a potential historic district. Because the proposed undertaking does not impact the character defining features of adjacent district, SHPO is of the opinion that the undertaking has no adverse effect to historic 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

State Historic Preservation Office

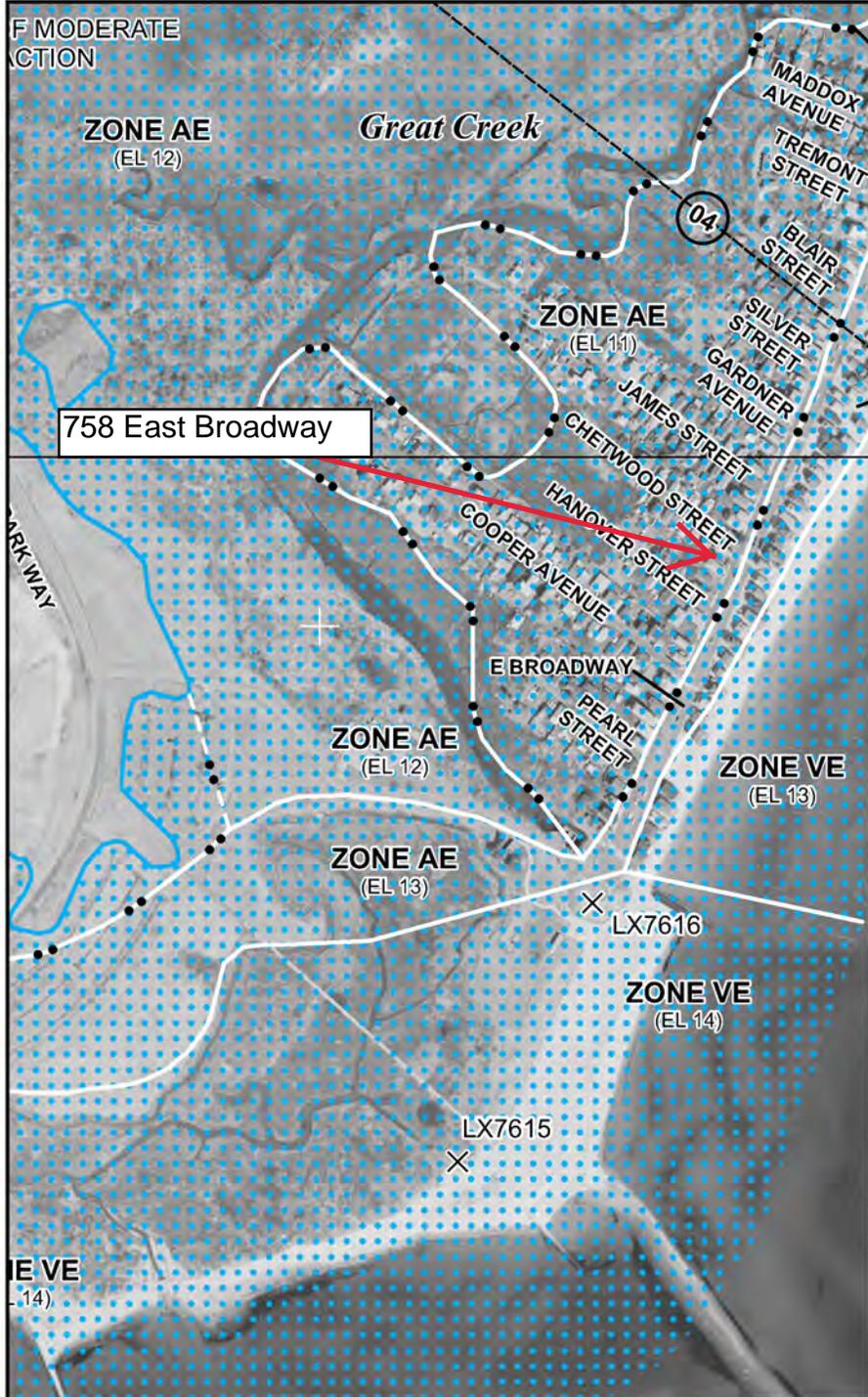
One Constitution Plaza | Hartford, CT 06103 | P: 860.256.2800 | Cultureandtourism.org

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Attachment 2 – Checklist Item #2, #12A and #14A Documentation – FEMA FIRM Flood Mapping



LIMIT OF MODERATE WAVE ACTION

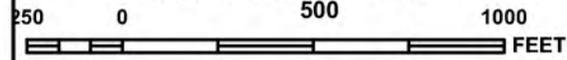
ZONE AE (EL 13)

45° 63' 000m N

JOINS PANEL 0533



MAP SCALE 1" = 500'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0529J

FIRM
FLOOD INSURANCE RATE MAP
NEW HAVEN COUNTY,
CONNECTICUT
 (ALL JURISDICTIONS)

PANEL 529 OF 635
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MILFORD, CITY OF	090082	0529	J

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
09009C0529J
MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

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



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Attachment 3 – Checklist Item 3 Documentation – Wetlands Protection

Legend

 758 East Broadway

NWI Wetlands

Wetland Type

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



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., © GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, Mapbox India, © OpenStreetMap contributors, and the GIS User Community





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Attachment 4 – Checklist Item 4 Documentation – Coastal Management Zone





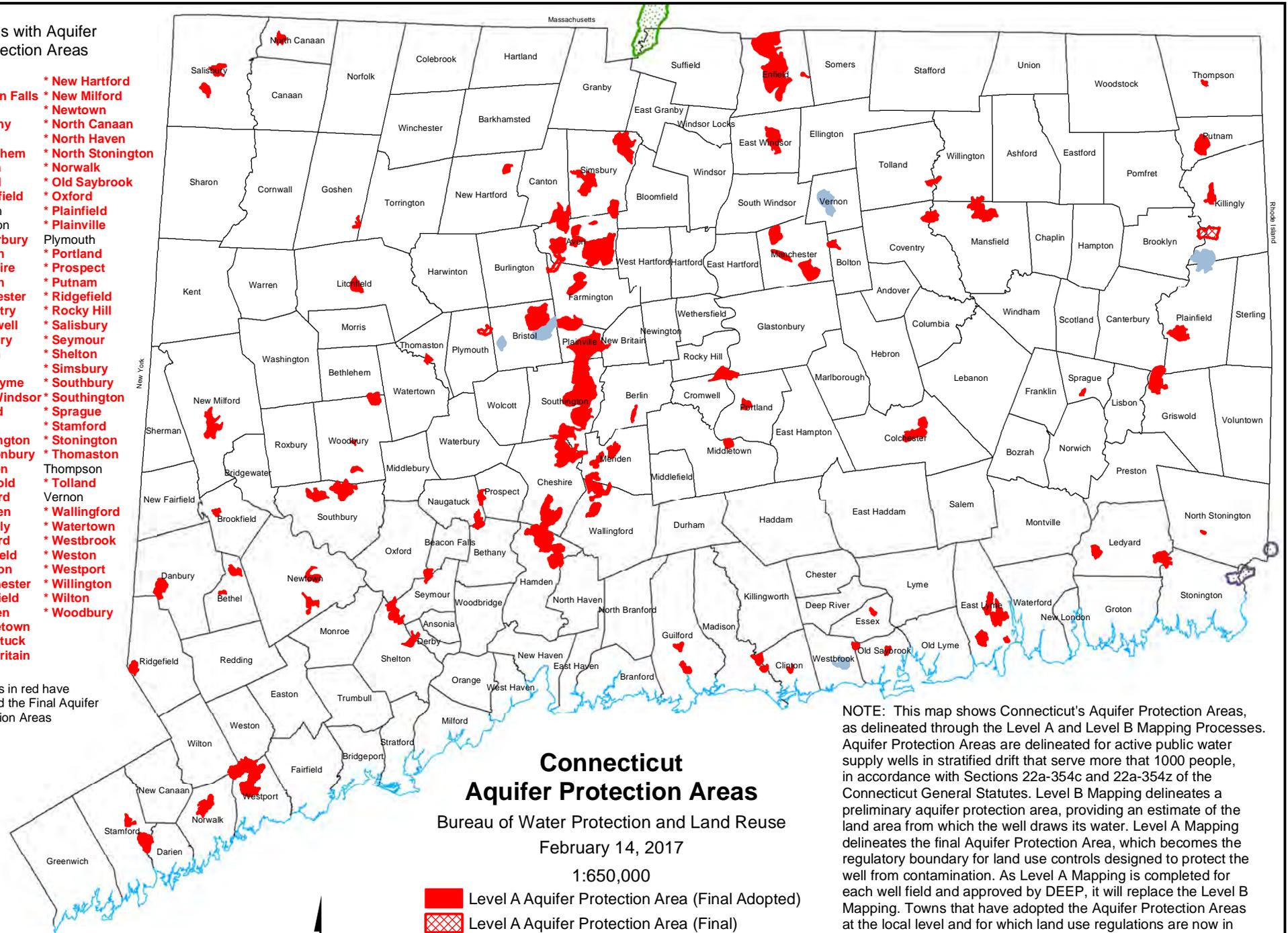
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Attachment 5 – Checklist Item 5 Documentation – Water Quality – Aquifers

Towns with Aquifer Protection Areas

- * Avon
- * Beacon Falls
- * Berlin
- * Bethany
- * Bethel
- * Bethlehem
- * Bolton
- * Bristol
- * Brookfield
- Brooklyn
- Burlington
- * Canterbury
- * Canton
- * Cheshire
- * Clinton
- * Colchester
- * Coventry
- * Cromwell
- * Danbury
- * Darien
- * Derby
- * East Lyme
- * East Windsor
- * Enfield
- * Essex
- * Farmington
- * Glastonbury
- * Goshen
- * Griswold
- * Guilford
- * Hamden
- * Killingly
- * Ledyard
- * Litchfield
- * Madison
- * Manchester
- * Mansfield
- * Meriden
- * Middletown
- * Naugatuck
- * New Britain
- * New Hartford
- * New Milford
- * Newtown
- * North Canaan
- * North Haven
- * North Stonington
- * Norwalk
- * Old Saybrook
- * Oxford
- * Plainfield
- * Plainville
- Plymouth
- * Portland
- * Prospect
- * Putnam
- * Ridgefield
- * Rocky Hill
- * Salisbury
- * Seymour
- * Shelton
- * Simsbury
- * Southbury
- * Southington
- * Sprague
- * Stamford
- * Stonington
- * Thomaston
- Thompson
- * Tolland
- Vernon
- * Wallingford
- * Watertown
- * Westbrook
- * Weston
- * Westport
- * Willington
- * Wilton
- * Woodbury

* Towns in red have adopted the Final Aquifer Protection Areas



Connecticut Aquifer Protection Areas

Bureau of Water Protection and Land Reuse
February 14, 2017

1:650,000

- Level A Aquifer Protection Area (Final Adopted)
- Level A Aquifer Protection Area (Final)
- Level B Aquifer Protection Area (Preliminary)
- Massachusetts Wellhead Protection Area
- Rhode Island Wellhead Protection Area

NOTE: This map shows Connecticut's Aquifer Protection Areas, as delineated through the Level A and Level B Mapping Processes. Aquifer Protection Areas are delineated for active public water supply wells in stratified drift that serve more than 1000 people, in accordance with Sections 22a-354c and 22a-354z of the Connecticut General Statutes. Level B Mapping delineates a preliminary aquifer protection area, providing an estimate of the land area from which the well draws its water. Level A Mapping delineates the final Aquifer Protection Area, which becomes the regulatory boundary for land use controls designed to protect the well from contamination. As Level A Mapping is completed for each well field and approved by DEEP, it will replace the Level B Mapping. Towns that have adopted the Aquifer Protection Areas at the local level and for which land use regulations are now in place are designated by the solid red above and in red in the list of Towns with Aquifer Protection Areas. Wellhead protection areas in Massachusetts and Rhode Island are shown for informational purposes only.

www.ct.gov/deep/aquiferprotection



Connecticut Department of
Energy & Environmental Protection
79 Elm Street
Hartford, CT 06106





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Attachment 6A – Checklist Item 6 Documentation – Natural Diversity Data Base and Endangered Species

Legend

 758 East Broadway

 Natural Diversity Area



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community





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Attachment 6B – Checklist Item 6 Documentation – USFWS IPaC List

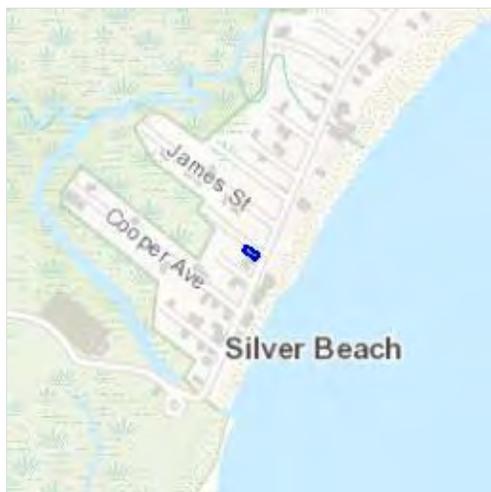
IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as trust resources) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

New Haven County, Connecticut



Local office

New England Ecological Services Field Office

☎ (603) 223-2541

📅 (603) 223-0104

70 Commercial Street, Suite 300

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service.

-
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.

The following species are potentially affected by activities in this location:

Mammals

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

Birds

NAME	STATUS
Red Knot <i>Calidris canutus rufa</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1864	Threatened
Roseate Tern <i>Sterna dougallii dougallii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2083	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any activity that results in the take (to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct) of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service³. There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Conservation measures for birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data <http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The migratory birds species listed below are species of particular conservation concern (e.g. [Birds of Conservation Concern](#)) that may be potentially affected by activities in this location. It is not a list of every bird species you may find in this location, nor a guarantee that all of the bird species on this list will be found on or near this location. Although it is important to try to avoid and minimize impacts to all birds, special attention should be made to avoid and minimize impacts to birds of priority concern. To view available data on other bird species that may occur in your project area, please visit the [AKN Histogram Tools](#) and [Other Bird Data Resources](#). To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

NAME	SEASON(S)
American Oystercatcher <i>Haematopus palliatus</i> https://ecos.fws.gov/ecp/species/8935	On Land: Year-round
Bald Eagle <i>Haliaeetus leucocephalus</i> https://ecos.fws.gov/ecp/species/1626	On Land: Year-round
Black Skimmer <i>Rynchops niger</i> https://ecos.fws.gov/ecp/species/5234	On Land: Breeding
Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i> https://ecos.fws.gov/ecp/species/9399	On Land: Breeding
Canada Warbler <i>Wilsonia canadensis</i>	On Land: Breeding
Fox Sparrow <i>Passerella iliaca</i>	On Land: Wintering
Hudsonian Godwit <i>Limosa haemastica</i>	At Sea: Migrating
Least Tern <i>Sterna antillarum</i>	On Land: Breeding
Peregrine Falcon <i>Falco peregrinus</i> https://ecos.fws.gov/ecp/species/8831	On Land: Wintering

Purple Sandpiper <i>Calidris maritima</i>	On Land: Wintering
Saltmarsh Sparrow <i>Ammodramus caudacutus</i>	On Land: Breeding
Seaside Sparrow <i>Ammodramus maritimus</i>	On Land: Year-round
Short-eared Owl <i>Asio flammeus</i> https://ecos.fws.gov/ecp/species/9295	On Land: Wintering
Snowy Egret <i>Egretta thula</i>	On Land: Breeding
Upland Sandpiper <i>Bartramia longicauda</i> https://ecos.fws.gov/ecp/species/9294	On Land: Breeding
Willow Flycatcher <i>Empidonax traillii</i> https://ecos.fws.gov/ecp/species/3482	On Land: Breeding

What does IPaC use to generate the list of migratory bird species potentially occurring in my specified location?

Landbirds:

Migratory birds that are displayed on the IPaC species list are based on ranges in the latest edition of the National Geographic Guide, Birds of North America (6th Edition, 2011 by Jon L. Dunn, and Jonathan Alderfer). Although these ranges are coarse in nature, a number of U.S. Fish and Wildlife Service migratory bird biologists agree that these maps are some of the best range maps to date. These ranges were clipped to a specific Bird Conservation Region (BCR) or USFWS Region/Regions, if it was indicated in the 2008 list of Birds of Conservation Concern (BCC) that a species was a BCC species only in a particular Region/Regions. Additional modifications have been made to some ranges based on more local or refined range information and/or information provided by U.S. Fish and Wildlife Service biologists with species expertise. All migratory birds that show in areas on land in IPaC are those that appear in the 2008 Birds of Conservation Concern report.

Atlantic Seabirds:

Ranges in IPaC for birds off the Atlantic coast are derived from species distribution models developed by the National Oceanic and Atmospheric Association (NOAA) National Centers for Coastal Ocean Science (NCCOS) using the best available seabird survey data for the offshore Atlantic Coastal region to date. NOAA/NCCOS assisted USFWS in developing seasonal species ranges from their models for specific use in IPaC. Some of these birds are not BCC species but were of interest for inclusion because they may occur in high abundance off the coast at different times throughout the year, which potentially makes them more susceptible to certain types of development and activities taking place in that area. For more refined details about the abundance and richness of bird species within your project area off the Atlantic Coast, see the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other types of taxa that may be helpful in your project review.

About the NOAA/NCCOS models: the models were developed as part of the NOAA/NCCOS project: [Integrative](#)

[Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#). The models resulting from this project are being used in a number of decision-support/mapping products in order to help guide decision-making on activities off the Atlantic Coast with the goal of reducing impacts to migratory birds. One such product is the [Northeast Ocean Data Portal](#), which can be used to explore details about the relative occurrence and abundance of bird species in a particular area off the Atlantic Coast.

All migratory bird range maps within IPaC are continuously being updated as new and better information becomes available.

Can I get additional information about the levels of occurrence in my project area of specific birds or groups of birds listed in IPaC?

Landbirds:

The [Avian Knowledge Network \(AKN\)](#) provides a tool currently called the "Histogram Tool", which draws from the data within the AKN (latest, survey, point count, citizen science datasets) to create a view of relative abundance of species within a particular location over the course of the year. The results of the tool depict the frequency of detection of a species in survey events, averaged between multiple datasets within AKN in a particular week of the year. You may access the histogram tools through the [Migratory Bird Programs AKN Histogram Tools](#) webpage.

The tool is currently available for 4 regions (California, Northeast U.S., Southeast U.S. and Midwest), which encompasses the following 32 states: Alabama, Arkansas, California, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia, West Virginia, and Wisconsin.

In the near future, there are plans to expand this tool nationwide within the AKN, and allow the graphs produced to appear with the list of trust resources generated by IPaC, providing you with an additional level of detail about the level of occurrence of the species of particular concern potentially occurring in your project area throughout the course of the year.

Atlantic Seabirds:

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA/NCCOS [Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project](#) webpage.

Facilities

Wildlife refuges

Any activity proposed on [National Wildlife Refuge](#) lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any

questions or concerns.

THERE ARE NO REFUGES AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

THERE ARE NO KNOWN WETLANDS AT THIS LOCATION.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.



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Attachment 7 – Checklist Item 11 Documentation – Environmental Justice

2016 Distressed Municipalities List
8/23/2016

2016 Distressed Municipalities

Ranked by Score

	Total Scores	
New London	1427	1
Ansonia	1406	2
Waterbury	1406	3
New Britain	1365	4
Hartford	1339	5
Derby	1325	6
Putnam	1311	7
Bridgeport	1305	8
West Haven	1277	9
Meriden	1273	10
East Hartford	1272	11
Norwich	1257	12
Bristol	1254	13
Naugatuck	1242	14
Windham	1236	15
Torrington	1232	16
Enfield	1211	17
Sprague	1211	18
Griswold	1203	19
Montville	1185	20
New Haven	1177	21
East Haven	1176	22
Plymouth	1164	23
Plainfield	1158	24
Killingly	1155	25

2016 Distressed Municipalities

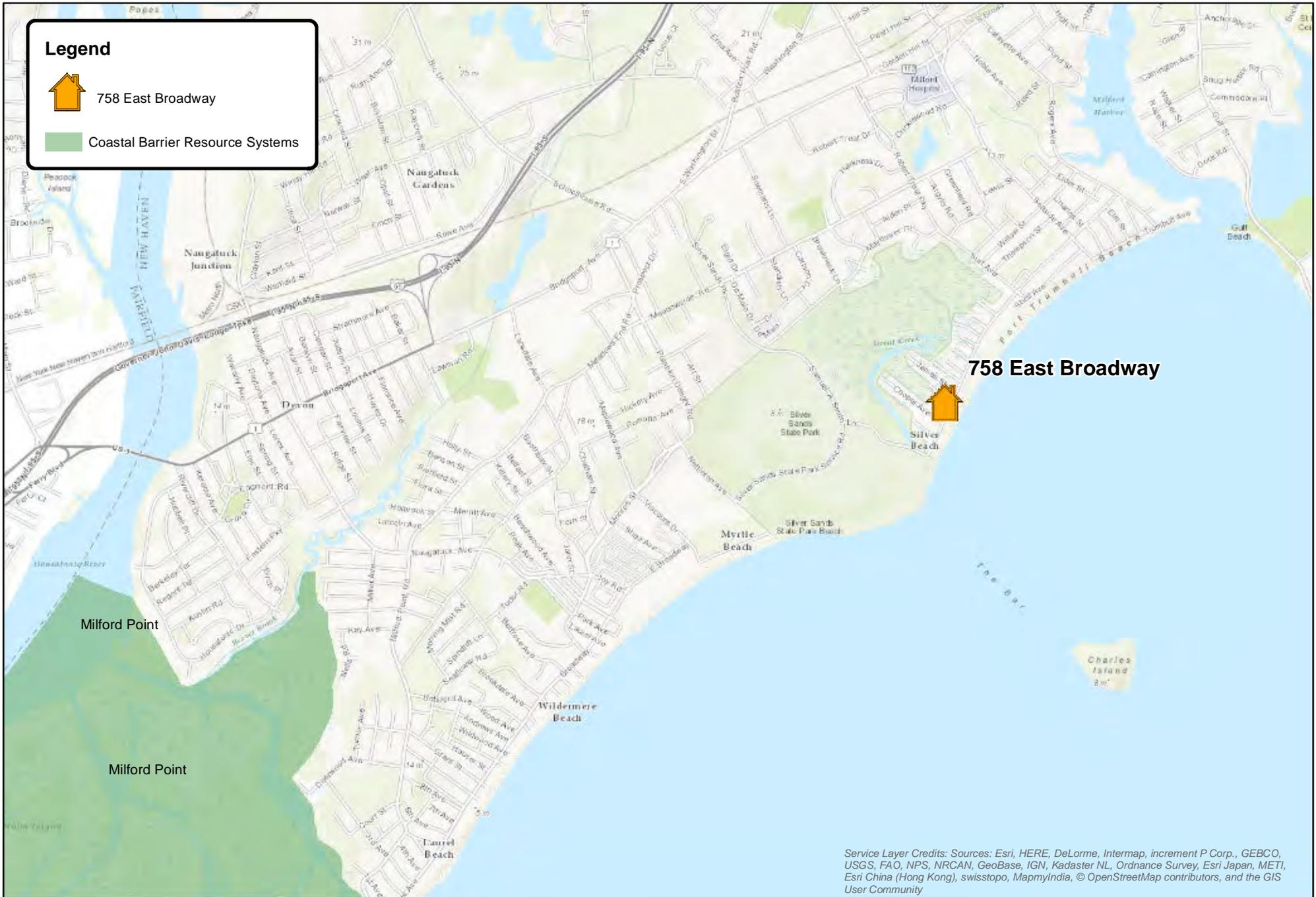
In town alphabetical order

	Total Scores	
Ansonia	1406	2
Bridgeport	1305	8
Bristol	1254	13
Derby	1325	6
East Hartford	1272	11
East Haven	1176	22
Enfield	1211	17
Griswold	1203	19
Hartford	1339	5
Killingly	1155	25
Meriden	1273	10
Montville	1185	20
Naugatuck	1242	14
New Britain	1365	4
New Haven	1177	21
New London	1427	1
Norwich	1257	12
Plainfield	1158	24
Plymouth	1164	23
Putnam	1311	7
Sprague	1211	18
Torrington	1232	16
Waterbury	1406	3
West Haven	1277	9
Windham	1236	15



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Attachment 8 – Checklist Item 12B Documentation – Coastal Barrier Resource System



Legend



758 East Broadway



Coastal Barrier Resource Systems

758 East Broadway



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community





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Attachment 9 – Checklist Item 13C, 13D, 13E, 13F Documentation – Hazardous Material Inspection
Report



2685 State Street
Hamden, CT 06517
Phone: (203) 288-1281
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Connecticut Department of Housing
Community Development Block Grant – Disaster Recovery
Owner Occupied Recovery and Rehabilitation Program

Hazardous Materials
Inspection Report

Applicant No. 5061

758 East Broadway
Milford, Connecticut

PREPARED FOR:

Martinez Couch & Associates, LLC
1084 Cromwell Ave. Suite A-2
Rocky Hill, CT 06067

PREPARED BY:

Facility Support Services, LLC
2685 State Street
Hamden, CT 06517
Phone (203) 288-1281

October 31, 2016

SIGNATURES OF REPORT AUTHORS

The employees of Facility Support Services, LLC whose names appear below prepared this report. Requests for information on the content of this document should be directed to these individuals.



Michael DiFabio
CTDPH Asbestos Inspector #000898

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Attachment A	Mold Analytical Data
Attachment B	Asbestos Analytical Data
Attachment C	Lead Analytical Data
Attachment D	FSS Licensure

I. Introduction

Facility Support Services, LLC (FSS) was contracted by Martinez, Couch & Associates, LLC (MCA) to perform a limited scope hazardous materials survey of 758 East Broadway Milford, Connecticut (the “Site”). The purpose of this inspection was to identify the presence of asbestos, PCBs, lead paint and mold in certain building materials proposed for removal/demolition that qualify for the repair/replacement of items damaged by the October 2012 Tropical Storm Sandy under the Connecticut Department of Housing (DOH), Community Development Block Grant – Disaster Recovery Owner Occupied Recovery and Rehabilitation Program. Due to the proposed plan to elevate the house above the ground surface, no radon testing was conducted.

FSS utilized best industry practices to identify all suspect materials associated with the structures. Any material that has not been identified during this inspection or discovered during renovation/demolition activities must be presumed to be hazardous until such time that samples of the material can be collected and analyzed.

II. Mold

FSS conducted sampling for mold on October 13, 2016. Testing for total spores in air was conducted for the following areas of the Site to identify concerns with indoor air quality related to mold and fungi:

- Larger Apartment – Living room/Kitchen
- Larger Apartment – Bedroom
- Smaller Apartment – Living room/Kitchen
- Smaller Apartment – Bedroom

The outside ambient air sample provided a background reference sample (collected from a location in the front yard). Mike DiFabio of FSS conducted the spore sampling utilizing an air sampling pump and sample media. Air was collected at a rate of 15.0 liters of air per minute. The samples were collected on Air-O-Cell type sampling cartridges located in line with the sampling pump, which ran for 10 minutes at each

sampling location. In addition to air sampling, during the sampling interval, the areas of the residence were visually inspected to determine whether mold contamination had developed.

The spore samples were analyzed by EMSL Analytical of Wallingford, Connecticut for the identification and enumeration of spores (EMSL Method M001). EMSL is a State of Connecticut, Department of Public Health certified laboratory (Accreditation Number 165118). Analytical reports for mold are included in Attachment A.

The analysis for total spore counts is a direct microscopic examination and does not include culturing or growing fungi. Therefore, the results include both viable and non-viable spores. Spore trap results are reported in spores per cubic meter of air. See Table 1 below for an outline of the mold analytical results.

Table 1
Summary of Laboratory Analysis of Spore Types
758 East Broadway, Milford, Connecticut

Sample Number & Location	Raw Count	Total Fungi (Count/m³)	Spore Types Present
2221401013 – MS-1 Larger Apartment Living Room/Kitchen	103	2160	Alternaria, Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Ganoderma, Myxomycetes/Periconia/Smut, Rust, Arthrimum, Hyphal Fragments
2221401013 – MS-2 Larger Apartment Bedroom	113	2280	Alternaria, Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Epicoccum, Ganoderma, Myxomycetes/Periconia/Smut, Pithomyces, Hyphal Fragments
2221401013 – MS-3 Smaller Apartment Living Room/Kitchen	291	5890	Alternaria, Ascospores, Aspergillus/Penicillium, Basidiospores, Chaetomium, Cladosporium, Ganoderma, Myxomycetes/Periconia/Smut, Pithomyces, Hyphal Fragments, Pollen

2221401013 – MS-4 Smaller Apartment Bedroom	446	9120	Alternaria, Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Curvularia, Epicoccum, Ganoderma, Myxomycetes/Periconia/Smut, Pithomyces, Rust, Ulocladium, Hyphal Fragments, Pollen
2221401013 – MS-5 Outside	429	8710	Alternaria, Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Curvularia, Epicoccum, Ganoderma, Myxomycetes/Periconia/Smut, Pithomyces, Arthriniium, Cercospora, Fusicladium, Nigrospora, Oidium, Polythrincium, Spegazzinia, Hyphal Fragments, Pollen

The primary mold species were Aspergillus/Penicillium, Ascospores, and Cladosporium which can be associated with hay fever and asthma and grow on a wide range of substrates indoors and outdoors. In Connecticut, there are currently no regulatory standards directly governing mold/fungal spore concentrations. Although no standards for mold exist, some information regarding levels have been published, including the following:

Baxter, et al considers mold contamination present in a building when the total mold spore concentration per cubic meter is above 10,000. However in special cases, even low quantitative levels of certain particles or particle types (such as Penicillium/Aspergillus spore chains in an un-treated building) may be diagnostic and may indicate a hidden mold reservoir that merits further investigation.

FSS’s investigation found total spore concentrations inside the East Broadway residence of up to 9,120/m³, below the 10,000/m³ level noted above. No visible mold contamination was observed during the inspection.

At "high" levels most individuals with any sensitivity will experience symptoms. Acceptable levels for individual species have not been established since species toxicity varies widely as does spore size, weight, and other features that affect risk to building occupants. Previously published studies have found Aspergillus/Penicillium in a "clean" residential building was at a mean of 230 spores/m³; in buildings known to have a moisture or flooding problem it was at 2,235 spores/m³; and in mold contaminated buildings the figure was 36,037 spores/m³.

The American Conference of Government Industrial Hygienists (ACGIH) stated that indoor mold levels are generally less than 1/3 the outdoor level and that when indoor mold is at more than this level remedial action should be taken to find the source of the elevated counts and to clean it up. However, this is a general rule and may be inaccurate and unreliable method for screening buildings for mold.

FSS's investigation found total spore concentration in two of the four interior samples had levels similar to those noted in the exterior sample. FSS believes that the elevation in spore count is linked to the building not being completely sealed during testing. Exterior air had been wafted into the small apartments via other contractors and the home owner. FSS observed no signs of mold contamination during the inspection and sampling.

III. Asbestos

FSS conducted a limited scope asbestos inspection and bulk sampling on October 13, 2016 of suspect building materials that are proposed for renovations. The inspection was conducted by Mike DiFabio, a State of Connecticut licensed Asbestos Inspector. Mr. DiFabio's Connecticut Asbestos Inspectors/Management Planner license is provided in Attachment D.

The following suspect materials were indentified during the inspection:

- Foundation Block Mortar

This asbestos inspection was performed in accordance with the EPA, NESHAP regulations for building renovations and demolition, 40 CFR Part 61, Amended 11/20/1990. The bulk asbestos samples collected during this inspection were delivered under full chain of custody and analyzed by EMSL Analytical, Inc., via EPA/600/R-93/116. This is currently the approved EPA test method, which uses Polarized Light Microscopy (PLM). EMSL Analytical, Inc. is an accredited asbestos laboratory (NVLAP # 200700-0) and is a State of Connecticut approved public health laboratory for asbestos analysis. Copies of the laboratory analytical results can be found in Attachment D of this report.

Laboratory results have revealed that the asbestos content of the tested materials are below the 1% required to confirm a material as asbestos containing.

IV. PCBs

Following an inspection of building materials proposed for renovations, no suspected PCB-containing materials were identified.

V. Lead

The subject residential structure was built prior to 1978 (1905) and therefore the likelihood that lead painted surfaces are present is increased. As a residential structure built prior to 1978 the removal of lead painted materials where a child under 6 is housed, or may visit, would trigger the EPA Renovation, Repair and Painting (RRP) rule. Furthermore, adherence to the requirements of The Lead-Safe Housing Rule (US Department of Housing and Urban development, HUD) are stipulated by the Connecticut Department of Housing (DOH) as part of the Community Development Block Grant – Disaster Recovery Owner Occupied Recovery and Rehabilitation Program.

A building wide XRF inspection was conducted by Maureen Monaco of Gilbertco Lead Inspections, LLC (Gilbertco) utilizing a Heuresis Pb200i XRF Spectrum Analyzer. A copy of the Gilbertco Lead Inspection Report is provided in Attachment C. The findings of the investigation determined that some areas tested positive for lead (>1.0 mg/cm²):

- Exterior
 - Older Green Overhang

Non-Intact Materials

Following the HUD Lead-Safe Housing Guidelines, non-intact materials should undergo interim measures to abate the hazard. There were no non-intact lead containing materials identified.

Demolition Materials

When toxic wastes are, land disposed, contaminated liquid may leach from the waste and pollute ground water. Toxicity is defined through a laboratory procedure called the Toxicity Characteristic Leaching Procedure (TCLP) (Method 1311). The TCLP helps identify wastes likely to leach concentrations of contaminants that may be harmful to human health or the environment. No materials tested positive for lead, therefore proposed materials did not require TCLP analysis.

VI. Conclusions & Recommendations

When the structure is renovated, all removed debris should be sent to an appropriate landfill for final disposal following all appropriate regulations. Any material discovered during renovation activities which have not been included in this survey must be presumed to contain asbestos, lead and PCBs until such time that the material can be evaluated and sampled.

Asbestos – Asbestos containing materials (>1% asbestos) were not identified in materials proposed for renovation or demolition

PCBs - No suspected PCB-containing materials were identified in proposed renovation materials.

Mold – FSS’s investigation found a total spore concentration in the interior samples at levels similar to the outside sample. Mold spore count analysis indicates no accelerated mold growth in the residence. FSS believes that the similarity in spore count between the interior and exterior samples is linked to the building not being completely sealed during testing. Exterior air had been wafted into the small apartments via other contractors and the home owner. FSS observed no signs of mold contamination during the inspection and sampling and does not consider the residence to be contaminated with mold.

Radon – Due to the proposed elevating of the residence, above the ground level, no radon testing was conducted.

Lead –There are no areas that tested positive for lead (regardless of intactness) that are proposed for demolition. No further consideration for lead containing demolition debris is required for this project.

ATTACHMENTS

ATTACHMENT A
MOLD ANALYTICAL DATA



EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

<http://www.EMSL.com> / wallingfordlab@emsl.com

EMSL Order: 241604390
Customer ID: FSS93
Customer PO:
Project ID:

Attn: Michael DiFabio Facility Support Services, LLC 2685 State Street Hamden, CT 06517	Phone: (203) 288-1281 Fax: (203) 248-4409 Collected: 10/13/2016 Received: 10/14/2016 Analyzed: 10/20/2016
Project: 758 E BROADWAY/22214	

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location	241604390-0001 2221401013-MS-1 150 Larger apartment kitchen/living room			241604390-0002 2221401013-MS-2 150 Larger apartment bedroom			241604390-0003 2221401013-MS-3 150 Smaller apartment kitchen/living room		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria	1	20	0.9	2	40	1.8	22	450	7.6
Ascospores	8	200	9.3	31	640	28.1	60	1200	20.4
Aspergillus/Penicillium	31	640	29.6	16	330	14.5	7	100	1.7
Basidiospores	18	370	17.1	28	570	25	52	1100	18.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	1	20	0.3
Cladosporium	29	600	27.8	15	310	13.6	99	2000	34
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	1	20	0.9	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	20	0.9	7	100	4.4	18	370	6.3
Myxomycetes++	13	270	12.5	11	230	10.1	28	570	9.7
Pithomyces	-	-	-	2	40	1.8	4	80	1.4
Rust	1	20	0.9	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Arthrinium	1	20	0.9	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Fusicladium	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Total Fungi	103	2160	100	113	2280	100	291	5890	100
Hypal Fragment	5	100	-	13	270	-	20	410	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	2	40	-
Analyt. Sensitivity 600x	-	21	-	-	21	-	-	21	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	3	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	3	-
Background (1-5)	-	2	-	-	2	-	-	4	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
Myxomycetes++ = Myxomycetes/Periconia/Smut

Gloria V. Oriol, Laboratory Manager
or other approved signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. ""*"" Denotes particles found at 300X. ""*"" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. 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 or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Lab 165118

Initial report from: 10/21/2016 08:47:53

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

<http://www.EMSL.com> / wallingfordlab@emsl.com

EMSL Order: 241604390
Customer ID: FSS93
Customer PO:
Project ID:

Attn: Michael DiFabio Facility Support Services, LLC 2685 State Street Hamden, CT 06517	Phone: (203) 288-1281 Fax: (203) 248-4409 Collected: 10/13/2016 Received: 10/14/2016 Analyzed: 10/20/2016
Project: 758 E BROADWAY/22214	

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	241604390-0004			241604390-0005			241604390-0006		
Client Sample ID:	2221401013-MS-4			2221401013-MS-5			2221401013-MS-6		
Volume (L):	150			150			0		
Sample Location	Smaller apartment bedroom			Outside-back			Field blank #1		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	17	350	3.8	6	100	1.1	-	-	-
Ascospores	99	2000	21.9	234	4800	55.1	-	-	-
Aspergillus/Penicillium	97	2000	21.9	6	100	1.1	-	-	-
Basidiospores	81	1700	18.6	93	1900	21.8	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	90	1800	19.7	24	490	5.6	-	-	-
Curvularia	3	60	0.7	3	60	0.7	-	-	-
Epicoccum	2	40	0.4	6	100	1.1	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	13	270	3	15	310	3.6	-	-	-
Myxomycetes++	40	820	9	23	470	5.4	-	-	-
Pithomyces	2	40	0.4	3	60	0.7	-	-	-
Rust	1	20	0.2	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Ulocladium	1	20	0.2	-	-	-	-	-	-
Arthrinium	-	-	-	2	40	0.5	-	-	-
Cercospora	-	-	-	3	60	0.7	-	-	-
Fusicladium	-	-	-	3	60	0.7	-	-	-
Nigrospora	-	-	-	3	60	0.7	-	-	-
Oidium	-	-	-	3	60	0.7	-	-	-
Polythrincium	-	-	-	1	20	0.2	-	-	-
Spegazzinia	-	-	-	1	20	0.2	-	-	-
Total Fungi	446	9120	100	429	8710	100	-	No Trace	-
Hypthal Fragment	36	740	-	18	370	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1	20	-	1	20	-	-	-	-
Analyt. Sensitivity 600x	-	21	-	-	21	-	-	0	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	0*	-
Skin Fragments (1-4)	-	3	-	-	-	-	-	-	-
Fibrous Particulate (1-4)	-	3	-	-	-	-	-	-	-
Background (1-5)	-	3	-	-	2	-	-	-	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
 Myxomycetes++ = Myxomycetes/Periconia/Smut

Gloria V. Oriol, Laboratory Manager
 or other approved signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. ""*"" Denotes particles found at 300X. ""*"" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. 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 or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Lab 165118

Initial report from: 10/21/2016 08:47:53

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

<http://www.EMSL.com> / wallingfordlab@emsl.com

EMSL Order: 241604390
Customer ID: FSS93
Customer PO:
Project ID:

Attn: Michael DiFabio Facility Support Services, LLC 2685 State Street Hamden, CT 06517	Phone: (203) 288-1281 Fax: (203) 248-4409 Collected: 10/13/2016 Received: 10/14/2016 Analyzed: 10/20/2016
Project: 758 E BROADWAY/22214	

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	241604390-0007		
Client Sample ID:	2221401013-MS-7		
Volume (L):	0		
Sample Location	Field blank #2		
Spore Types	Raw Count	Count/m³	% of Total
Alternaria	-	-	-
Ascospores	-	-	-
Aspergillus/Penicillium	-	-	-
Basidiospores	-	-	-
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	-	-	-
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces	-	-	-
Rust	-	-	-
Stachybotrys	-	-	-
Ulocladium	-	-	-
Arthrinium	-	-	-
Cercospora	-	-	-
Fusicladium	-	-	-
Nigrospora	-	-	-
Oidium	-	-	-
Polythrincium	-	-	-
Spegazzinia	-	-	-
Total Fungi	-	No Trace	-
Hyphal Fragment	-	-	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	0	-
Analyt. Sensitivity 300x	-	0*	-
Skin Fragments (1-4)	-	-	-
Fibrous Particulate (1-4)	-	-	-
Background (1-5)	-	-	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut
--


 Gloria V. Oriol, Laboratory Manager
 or other approved signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. ""*"" Denotes particles found at 300X. ""*"" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. 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 or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Lab 165118

Initial report from: 10/21/2016 08:47:53

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



Microbiology Chain of Custody
EMSL Order Number (Lab Use Only):

241604390

Wallingford, CT 06492
PHONE: (203) 284-5948
FAX: (203) 284-5978

Company: Facility Support Services, LLC.		EMSL-Bill to: <input checked="" type="checkbox"/> Different <input type="checkbox"/> Same If Bill to is Different note instructions in Comments**	
Street: 2685 State Street		Third Party Billing requires written authorization from third party	
City: Hamden	State/Province: CT	Zip/Postal Code: 06517	Country: United States
Report To (Name): Michael DiFabio		Telephone #: 203-288-1281	
Email Address: mdifabio@fssteam.com		Fax #:	Purchase Order:
Project Name/Number: 758 E Broadway / 22214		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: CT		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

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

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements

Non Culturable Air Samples (Spore Traps) - Test Codes

• M001 Air-O-Cell	• M173 Allegro M2	• M004 Allergenco	• M032 Allergenco-D	• M172 Versa Trap
• M049 BioSIS	• M003 Burkard	• M043 Cyclex	• M002 Cyclex-d	
• M030 Micro 5	• M174 MoldSnap	• M176 Relle Smart	• M130 Via-Cell	

Other Microbiology Test Codes

• M041 Fungal Direct Examination	• M014 Endotoxin Analysis	• M029 Enterococci
• M005 Viable Fungi ID and Count	• M015 Heterotrophic Plate Count	• M019 Fecal Coliform
• M006 Viable Fungi ID and Count (Speciation)	• M180 Real Time Q-PCR-ERMI 36 Panel	• M133 MRSA Analysis
• M007 Culturable Fungi	• M018 Total Coliform (Membrane Filtration)	• M028 <i>Cryptococcus neoformans</i> Detection
• M008 Culturable Fungi (Speciation)	• M020 Fecal <i>Streptococcus</i> (Membrane Filtration)	• M120 <i>Histoplasma capsulatum</i> Detection
• M009 Gram Stain Culturable Bacteria	• M210-215 <i>Legionella</i> Detection	• M033-39 Allergen Testing
• M010 Bacterial Count and ID - 3 Most Prominent	• M026 Recreational Water Screen	• M044 Group Allergen (Cat, Dog, Cockroach, Dustmites)
• M011 Bacterial Count and ID - 5 Most Prominent	• M027 Mycotoxin Analysis	• Other See Analytical Price Guide
• M013 Sewage Contamination in Buildings		

Preservation Method (Water):

Name of Sampler: Michael DiFabio Signature of Sampler:

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
Example: A1	Kitchen	Air	M001	75L	1/1/12 4:00 PM
222141013 - M5-1	Larger Apartment Kitchen/Living Room	Air	M001	150L	10/13/16 11:14 - 11:28
222141013 - M5-2	Larger Apartment Bedroom	Air	M001	150L	11:19 - 11:29
222141013 - M5-3	Smaller Apartment Kitchen/Living Room	Air	M001	150L	11:45 - 11:55
222141013 - M5-4	Smaller Apartment Bedroom	Air	M001	150L	11:46 - 11:56
222141013 - M5-5	Outside - Back	Air	M001	150L	12:07 - 12:17
222141013 - M5-6	Field Blank #1	Air	M001	150L	
222141013 - M5-7	Field Blank #2	Air	M001	150L	

Client Sample # (s): MSL - M5-7 Total # of Samples: 7

Relinquished (Client): Date: 10/14/16 Time: 14:15

Received (Client): Date: Time:

Comments:
Bill To: Facility Support Services, LLC., 2685 State Street, Hamden, CT, 06517, United States
Attention: Michele Viarengo Phone: 203-288-1281 Email: mviarengo@fssteam.com Purchase Order:



ATTACHMENT B
ASBESTOS ANALYTICAL DATA



EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

<http://www.EMSL.com> / wallingfordlab@emsl.com

EMSL Order: 241604396

Customer ID: FSS93

Customer PO:

Project ID:

Attention: Michael DiFabio
Facility Support Services, LLC
2685 State Street
Hamden, CT 06517

Phone: (203) 288-1281

Fax: (203) 248-4409

Received Date: 10/14/2016 2:15 PM

Analysis Date: 10/20/2016

Collected Date: 10/13/2016

Project: 758 E BROADWAY / 22214

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222141013-01A <small>241604396-0001</small>	Foundation Block Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
222141013-01B <small>241604396-0002</small>	Foundation Block Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected

Analyst(s)

Almedina Hodzic (1)

Lauren Brennan (1)

Lauren Brennan, Asbestos Lab Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial report from: 10/20/2016 17:28:19



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

241604396

Wallingford, CT 06492
PHONE: (203) 284-5948
FAX: (203) 284-5978

Company Name : Facility Support Services, LLC.		EMSL Customer ID:	
Street: 2685 State Street		City: Hamden	State/Province: CT
Zip/Postal Code: 06517	Country: United States	Telephone #: 203-288-1281	Fax #:
Report To (Name): Michael DiFabio		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: mdifabio@fssteam.com		Purchase Order:	
Project Name/Number: 758 E Broadway / 22214		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: CT		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

EMSL-Bill to: Same Different - If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* - Please Check

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

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air Check if samples are from NY

- NIOSH 7400
- w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)

PLM EPA 600/R-93/116 (<1%)

PLM EPA NOB (<1%)

Point Count

400 (<0.25%) 1000 (<0.1%)

Point Count w/Gravimetric

400 (<0.25%) 1000 (<0.1%)

NYS 198.1 (friable in NY)

NYS 198.6 NOB (non-friable-NY)

NYS 198.8 SOF-V

NIOSH 9002 (<1%)

TEM - Air 4-4.5hr TAT (AHERA only)

AHERA 40 CFR, Part 763

NIOSH 7402

EPA Level II

ISO 10312

TEM - Bulk

TEM EPA NOB

NYS NOB 198.4 (non-friable-NY)

Chatfield SOP

TEM Mass Analysis-EPA 600 sec. 2.5

TEM - Water: EPA 100.2

Fibers >10µm Waste Drinking

All Fiber Sizes Waste Drinking

TEM-Dust

Microvac - ASTM D 5755

Wipe - ASTM D6480

Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite*

PLM CARB 435 - A (0.25% sensitivity)

PLM CARB 435 - B (0.1% sensitivity)

TEM CARB 435 - B (0.1% sensitivity)

TEM CARB 435 - C (0.01% sensitivity)

TEM Qual. via Filtration Technique

TEM Qual. via Drop-Mount Technique

*Can not accept New York State Loose Fill Vermiculite Samples

Other:

Check For Positive Stop - Clearly Identify Homogenous Group

Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: Michael DiFabio

Samplers Signature:

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
222141013-01A	Foundation Block Mortar		10/13/16
01B	↓		

Client Sample # (s): 01A-01B

Total # of Samples: 2

Relinquished (Client):

Date: 10/13/16 10/14/16

Time: 14:15

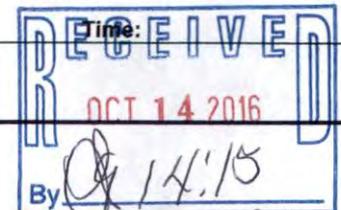
Received (Lab):

Date:

Time:

Comments/Special Instructions:

BillTo: Facility Support Services, LLC., 2685 State Street, Hamden, CT, 06517, United States
Attention: Michele Viarengo Phone: 203-288-1281 Email: mviarengo@fssteam.com Purchase Order:



ATTACHMENT C
LEAD LABORATORY ANALYTICAL DATA

**LEAD BASED PAINT INSPECTION
REPORT OF FINDINGS
OF:**

**758 EAST BROADWAY
MILFORD, CONNECTICUT**



DATE:

October 13, 2016

PREPARED BY:

**GILBERTCO LEAD INSPECTIONS LLC
287 MAIN STREET
ANSONIA, CONNECTICUT 06401**



GILBERTCO LEAD INSPECTIONS, LLC

“LEAD BASED PAINT SPECIALIST”

October 13, 2016

Michael DiFabio, Environmental Field Technician
Facility Support Services, LLC
2685 State Street
Hamden, Connecticut 06517

Re: Lead Based Paint Inspection: 758 East Broadway, Milford, Connecticut

Gilbertco Lead Inspections LLC performed a limited XRF inspection for the presence of lead based paint at 758 East Broadway, Milford, Connecticut. The inspection was requested by Facility Support Services in response to acceptance in to the State of Connecticut Department of Housing Community Block Grant Disaster Recovery Program. The house is scheduled to be lifted to meet new federal floodplain standards.

The site inspected consists of a small two family home constructed about 1905. We were met at the site by Ryan Curley of Martinez and Couch, Michael DiFabio of Facility Support Services, and homeowner Damian Pasqua, who granted us access, The home has undergone renovations and updating through the years. The exterior is stained wood siding with vinyl replacement windows throughout with the exception of the front living window of the front apartment and the bay living room window of the rear apartment. The home was found in good repair and enjoying excellent housekeeping. There were no children under the age of six residing at the home at the time of inspection.

In accordance with the Manufacturers Specifications, the Heuresis Pb200i XRF Spectrum Analyzer was used in the “Action Level” mode to assay lead in paint. This enables the equipment to accurately determine whether the result is “Positive”, above the 1.0 mg/cm² action level or “Negative”, below the action level regardless of precision or operator bias. In accordance with the above guidance, values of 0.9 mg/cm² through 1.1 mg/cm² are considered “Inconclusive”, meaning the value level of lead in paint was so close to the 1.0 mg/cm² action level that further analysis by XRF would not result in a “Positive” or “Negative” answer. Only laboratory analysis of the paint film can determine actual values in this range. Chip sampling of inconclusive was not included in the scope of this report, therefore, any results above 0.9

287 Main Street
Ansonia, CT 06401
203-732-2615 - FAX 866-437-8191
Toll Free In CT Only 1-800-959-2985

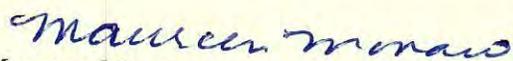
mg/cm² are considered positive. Results are arranged floor plan style with the substrate and condition noted. Orientation of rooms places side 'A' as street side, with side 'B' to the left, side 'C' opposite, and side 'D' to the right. Rooms were tested in a clockwise pattern.

In regards to the above mentioned property *several lead based paint hazards were identified*. A lead based paint hazard is "any condition that causes exposure from lead-contaminated dust, lead contaminated soil, or lead-contaminated paint that is deteriorated or present in accessible surfaces, friction surfaces, or impact surfaces that would result in adverse human health effects...". (The Residential Lead Based Paint Hazard Reduction Act of 1992 – Title X). These areas, identified in the following report as *positive and nonintact*, and identified as the exterior green exposed soffit and support brackets, must be abated in accordance with the level of federal funding received. See Schedule A. In April 2010, a new EPA regulation requires that any contractor who disturbs more than six square feet of painted surface per room, twenty square feet of exterior work, or does window replacement must hold certification from the US EPA as a Renovate Right Contractor. Homeowners are allowed to do their own renovation but are not exempt from providing renovation notices or posting informational signs. Further information regarding Renovate Right may be obtained at www.epa.gov/lead/pubs/renovation or by calling the National Lead Information Center at 1-800-424-LEAD (5323).

Lead in dust was not included in the scope of this report. Only laboratory analysis can insure that no lead dust hazards remain after renovations or from everyday use of the home.

This lead inspection report should be disclosed to future tenants and /or buyers in accordance with Title X (copy enclosed).

Please feel free to call if any questions arise,



Maureen Monaco

Director of Operations

Consultant Contractor #270

Lead Inspector Risk Assessor #1172

Lead Abatement Supervisor #2383

Lead Planner/Project Designer #2152

758 East Broadway, Milford, CT

October 13, 2016

Reading #	Room	Structure	Component	Substrate	Wall	Condition	mg/cm2	Result
1	Calibration						0.9	Okay
2	Calibration						0.3	Okay
3	Calibration						0.1	Okay
4	Living Room	Room	Wall	Drywall	A	Intact	0.1	Negative
5	Living Room	Room	Wall	Drywall	B	Intact	0.1	Negative
6	Living Room	Room	Wall	Drywall	C	Intact	0.1	Negative
7	Living Room	Room	Wall	Drywall	D	Intact	0.2	Negative
8	Living Room	Room	Ceiling	Drywall	D	Intact	0.1	Negative
9	Living Room	Room	Baseboard	Wood	D	Intact	0	Negative
10	Living Room	Window	Sill	Wood	B	Intact	0	Negative
11	Living Room	Window	Sash	Wood	B	Intact	-0.1	Negative
12	Living Room	Window	Casing	Wood	B	Intact	-0.1	Negative
13	Living Room	Door	---	Metal	B	Intact	0	Negative
14	Living Room	Door	Casing	Metal	B	Intact	-0.2	Negative
15	Kitchen	Room	Wall	Drywall	A	Intact	0.1	Negative
16	Kitchen	Room	Wall	Drywall	B	Intact	0.1	Negative
17	Kitchen	Room	Wall	Drywall	C	Intact	0.2	Negative
18	Kitchen	Room	Wall	Drywall	D	Intact	0.1	Negative
19	Kitchen	Cabinets		Wood	D	Intact	0	Negative
20	Kitchen	Closet	Door	Wood	D	Intact	-0.1	Negative
21	Kitchen	Closet	Casing	Wood	D	Intact	0	Negative
22	Kitchen	Closet	Shelf	Wood	D	Intact	0.1	Negative
23	Kitchen	Closet	Shelf Support	Wood	D	Intact	0	Negative
24	Kitchen	Closet	Wall	Drywall	D	Intact	0	Negative
25	Bedroom 1	Door	---	Wood	A		0	Negative
26	Bedroom 1	Door	Casing	Wood	A		-0.2	Negative
27	Bedroom 1	Door	Jamb	Wood	A		0.1	Negative
28	Bedroom 1	Room	Wall	Drywall	A		0.1	Negative
29	Bedroom 1	Room	Wall	Drywall	B		0.1	Negative
30	Bedroom 1	Room	Wall	Drywall	C		0.1	Negative
31	Bedroom 1	Room	Wall	Drywall	D		0.1	Negative
32	Bedroom 1	Door	---	Metal	B		0.1	Negative
33	Bedroom 1	Door	Casing	Wood	B		-0.1	Negative
34	Bedroom 1	Room	Baseboard	Wood	B		-0.1	Negative
35	Bedroom 1	Closet	Door	Wood	A		-0.2	Negative
36	Bedroom 1	Closet	Casing	Wood	A		-0.1	Negative
37	Bedroom 1	Closet	Shelf	Wood	A		0	Negative
38	Bedroom 1	Closet	Shelf Support	Wood	A		-0.1	Negative
39	Bedroom 1	Room	Wall	Wood	A		0.1	Negative
40	Bedroom 1	Door	Casing	Wood	C		-0.1	Negative
41	Bedroom 1	Door	Jamb	Wood	C		-0.1	Negative
42	Bedroom 1	Door	---	Wood	C		0	Negative

758 East Broadway, Milford, CT

October 13, 2016

43	Bedroom 1	Door	---	Wood	A		0.1	Negative
44	Bedroom 1	Door	Casing	Wood	A		0	Negative
45	Bedroom 1	Room	Wall	Drywall	A		0.1	Negative
46	Bedroom 1	Room	Wall	Drywall	B		0.1	Negative
47	Bedroom 1	Room	Wall	Drywall	C		0.1	Negative
48	Bedroom 1	Room	Wall	Drywall	D		0	Negative
49	Bedroom 1	Window	Casing	Wood	C		0	Negative
50	Living Room	Room	Wall	Drywall	A	Intact	0.2	Negative
51	Living Room	Room	Wall	Drywall	B	Intact	0.2	Negative
52	Living Room	Room	Wall	Drywall	C	Intact	0.1	Negative
53	Living Room	Room	Wall	Drywall	D	Intact	0.2	Negative
54	Living Room	Window	Casing	Wood	A	Intact	0	Negative
55	Living Room	Room	Baseboard	Wood	C	Intact	0	Negative
56	Living Room	Door	---	Wood	C	Intact	0	Negative
57	Living Room	Door	Casing	Wood	C	Intact	0.1	Negative
58	Living Room	Room	Ceiling	Drywall	C	Intact	0.2	Negative
59	Living Room	Railing		Wood	C	Intact	0.1	Negative
60	Living Room	Railing		Wood	C	Intact	-0.1	Negative
61	Living Room	Room	Ceiling	Drywall	C	Intact	0.1	Negative
62	Kitchen/Dining Room	Room	Wall	Drywall	C	Intact	0	Negative
63	Kitchen/Dining Room	Room	Wall	Drywall	B	Intact	0.1	Negative
64	Kitchen/Dining Room	Room	Wall	Drywall	B	Intact	0	Negative
65	Kitchen/Dining Room	Room	Wall	Drywall	D	Intact	0.1	Negative
66	Kitchen/Dining Room	Closet	Door	Wood	D	Intact	0	Negative
67	Kitchen/Dining Room	Closet	Casing	Wood	D	Intact	-0.1	Negative
68	Kitchen/Dining Room	Closet	Shelf	Wood	D	Intact	-0.1	Negative
69	Kitchen/Dining Room	Closet	Wall	Drywall	D	Intact	0.1	Negative
70	Kitchen/Dining Room	Room	Baseboard	Wood	D	Intact	0.1	Negative
71	Kitchen/Dining Room	Cabinets		Wood	C	Intact	0.1	Negative
72	Kitchen/Dining Room	Cabinets		Wood	A	Intact	0	Negative
73	Kitchen/Dining Room	Door	---	Wood	A	Intact	0	Negative
74	Kitchen/Dining Room	Door	Casing	Wood	A	Intact	-0.1	Negative
75	Kitchen/Dining Room	Window	Sill	Wood	B	Intact	-0.2	Negative
76	Kitchen/Dining Room	Window	Sash	Wood	B	Intact	-0.1	Negative
77	Kitchen/Dining Room	Window	Casing	Wood	B	Intact	-0.1	Negative
78	Bedroom 1	Door	---	Wood	A	Intact	0.1	Negative
79	Bedroom 1	Door	Jamb	Wood	A	Intact	0	Negative
80	Bedroom 1	Door	Casing	Wood	A	Intact	0	Negative
81	Bedroom 1	Room	Wall	Drywall	A	Intact	0.2	Negative
82	Bedroom 1	Room	Wall	Drywall	B	Intact	0.2	Negative
83	Bedroom 1	Room	Wall	Drywall	D	Intact	0.1	Negative
84	Bedroom 1	Room	Wall	Drywall	C	Intact	0.2	Negative
85	Bedroom 1	Door	---	Wood	C	Intact	-0.1	Negative
86	Bedroom 1	Door	Casing	Wood	C	Intact	-0.1	Negative

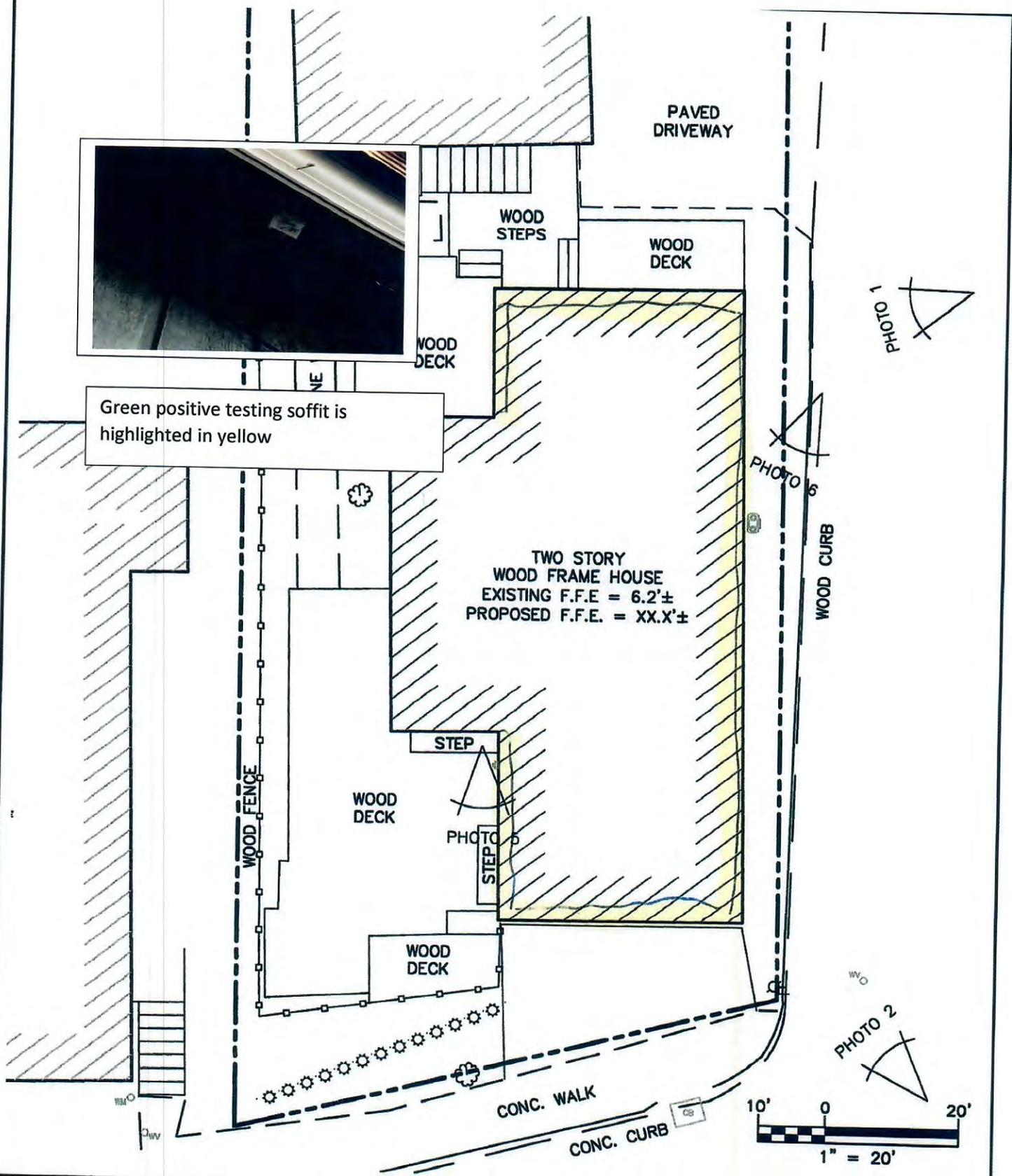
758 East Broadway, Milford, CT

October 13, 2016

87	Bedroom 1	Room	Baseboard	Wood	B	Intact	-0.1	Negative
88	Bedroom 1	Room	Baseboard	Wood	D	Intact	0	Negative
89	Bedroom 1	Window	Casing	Wood	B	Intact	0	Negative
90	Bedroom 1	Closet	Door	Wood	D	Intact	-0.1	Negative
91	Bedroom 1	Closet	Casing	Wood	D	Intact	-0.1	Negative
92	Bedroom 1	Closet	Door	Wood	A	Intact	0.1	Negative
93	Bedroom 1	Closet	Casing	Wood	A	Intact	0	Negative
94	Bathroom	Door	---	Wood	B	Intact	0.1	Negative
95	Bathroom	Door	Jamb	Wood	B	Intact	0.1	Negative
96	Bathroom	Door	Casing	Wood	B	Intact	-0.2	Negative
97	Bathroom	Room	Wall	Drywall	B	Intact	0.1	Negative
98	Bathroom	Room	Wall	Drywall	C	Intact	0.1	Negative
99	Bathroom	Room	Wall	Drywall	D	Intact	0.1	Negative
100	Bathroom	Room	Ceiling	Drywall	D	Intact	0.1	Negative
101	Bathroom	Window	Casing	Wood	D	Intact	0	Negative
102	Bathroom	Cabinets		Wood	D	Intact	-0.1	Negative
103	Exterior		Wall	Wood	B	Intact	0	Negative
104	Exterior		Wall	Wood	B	Intact	0	Negative
105	Exterior	Window	Sash	Wood	B	Deteriorated	0	Negative
106	Exterior	Window	Sill	Wood	B	Deteriorated	0	Negative
107	Exterior	Door	Casing	Wood	B	Deteriorated	0	Negative
108	Exterior		Wall	Wood	B	Deteriorated	0	Negative
109	Exterior	older	Green overhang	Wood	B	Deteriorated	10.2	Positive
110	Exterior	older	Green overhang	Wood	B	Deteriorated	1.2	
111	Exterior	older	Green overhang	Wood	B	Deteriorated	11.3	Positive
112	Exterior	Newer	Green overhang	Wood	B	Deteriorated	0.1	Negative
113	Exterior	Newer	Green overhang	Wood	B	Deteriorated	-0.2	Negative
114	Exterior	Newer	Green overhang	Wood	B	Deteriorated	0	Negative
115	Exterior	Door	---	Wood	B	Deteriorated	-0.1	Negative
116	Exterior	Door	Casing	Wood	B	Deteriorated	0	Negative
117	Exterior	Window	Casing	Wood	C	Deteriorated	-0.2	Negative
118	Exterior	Room	Wall	Wood	C	Deteriorated	0	Negative
119	Exterior	Door	---	Wood	C	Deteriorated	-0.1	Negative
120	Exterior	Door	Jamb	Wood	C	Deteriorated	0	Negative
121	Exterior	Door	Casing	Wood	C	Deteriorated	-0.1	Negative
122	Exterior	Door	Header	Wood	C	Deteriorated	-0.1	Negative
123	Exterior	Room	Wall	Wood	D	Deteriorated	-0.1	Negative
124	Exterior	Window	Casing	Wood	D	Deteriorated	-0.1	Negative
125	Exterior	Window	Casing	Wood	D	Deteriorated	-0.1	Negative
126	Exterior	Room	Wall	Wood	A	Deteriorated	0.1	Negative
127	Exterior	Window	Sill	Wood	A	Deteriorated	0.1	Negative
128	Exterior	Window	Casing	Wood	A	Deteriorated	0	Negative
129	Exterior	Window	Casing	Wood	A	Deteriorated	0	Negative
130	Exterior		Green overhang	Wood	A	Deteriorated	10.3	Positive



Green positive testing soffit is highlighted in yellow



TWO STORY WOOD FRAME HOUSE
EXISTING F.F.E = 6.2'±
PROPOSED F.F.E = XX.X'±



PROJECT 5061
758 EAST BROADWAY
MILFORD,
CONNECTICUT 06460



SITE PLAN
EXISTING
CONDITIONS

Certain Lead-based paint requirements apply to each project depending on the level of Federal Funding.

1. Residential Property receiving \$5,000 or less 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 then lead safe work practices are not required.
- B. Conduct a risk assessment in each unit, common areas and exterior of units receiving Federal funds.
- 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 completion of any rehabilitation work that has disturbed painted surfaces, clearances are to be performed.

2. Residential property receiving between \$5,000 and \$25,000 per unit:

- A. Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices are not required.
- B. Lead safe work practices are to be utilized during rehab work that will disturb painted surfaces.
- C. After the completion of any rehabilitation work that has disturbed painted surfaces, clearance will be performed.

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 are not required.
- B. Conduct a risk assessment in each unit, common areas and exterior of units receiving Federal funds.
- C. Abate all 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 limits.
- D. Lead safe work practices are to be utilized during rehabilitation work that will disturb painted surfaces.

All lead-hazard remediation work shall be performed in compliance with EPA Renovation, Repair, and Painting (RRP) Rule as prescribed by 40 CFR Part 745.80 including RRP Firm Certification, Disclosure, Notification, Placement of Warning Signs, Lead Safe Work Practices, cleaning and post remediation dust clearance by an approved EPA method.

MANAGEMENT PLAN
FOR
INTACT LEAD-BASED PAINT CONTAINING SURFACES

As a homeowner, you should know that painted surfaces throughout this house have been found to contain toxic levels of lead. These surfaces do not have to be abated as they are presently intact. Lead paint and lead dust pose a health risk and are especially dangerous to young children and pregnant woman. The inspection report lists areas that contain lead based paint. Lead paint is presumed to exist on all similarly painted surfaces whether tested or not. If currently intact surfaces become nonintact then lead hazard remediation procedures must be invoked.

As the homeowner, you are responsible for observing and monitoring all areas that have been identified or presume to contain lead based paint. Further testing and possible abatement may be needed if any of the surfaces are to be disturbed during renovations or if the surfaces become damaged. Defective surfaces are characterized by cracking, blistering, chalking or peeling paint. If any of these conditions arise, you should contact a qualified lead abatement contractor, a Renovate Right Certified Contractor or the local health department. Do not attempt to remove lead containing surfaces yourself as the lead dust that may arise is extremely hazardous.

As the homeowner, you are responsible for warning all persons entering your home that lead based paint is present. This includes tenants, visitors, etc. In April 2010, a new EPA regulation requires that any contractor who disturbs more than six square feet of painted surface must be certified as a Renovate Right Contractor. Homeowners are allowed to do their own renovation but are not exempt from providing renovation notices or posting informational signs. Further information regarding Renovate Right may be obtained at www.epa.gov/lead/pubs/renovation or by calling the National Lead Information Center at 1-800-424-LEAD (5323).

Children are especially susceptible to lead hazards. As with any lead containing surface, children should not be allowed to mouth or chew on woodwork. Hygiene practices must include hand washing before meals.

If any child is found to have an elevated blood lead level then you must notify the local health department.

Disclosure of Information on Lead-Based Paint and/or Lead-Based Paint Hazards

Lead Warning Statement

Housing built before 1978 may contain lead-based paint. Lead from paint, paint chips, and dust can pose health hazards if not managed properly. Lead exposure is especially harmful to young children and pregnant women. Before renting pre-1978 housing, lessors must disclose the presence of known lead-based paint and/or lead-based paint hazards in the dwelling. Lessees must also receive a federally approved pamphlet on lead poisoning prevention.

Lessor's Disclosure

(a) Presence of lead-based paint and/or lead-based paint hazards (check (i) or (ii) below):
(i) Known lead-based paint and/or lead-based paint hazards are present in the housing (explain).

(ii) Lessor has no knowledge of lead-based paint and/or lead-based paint hazards in the housing.

(b) Records and reports available to the lessor (check (i) or (ii) below):

(i) Lessor has provided the lessee with all available records and reports pertaining to lead-based paint and/or lead-based paint hazards in the housing (list documents below).

(ii) Lessor has no reports or records pertaining to lead-based paint and/or lead-based paint hazards in the housing.

Lessee's Acknowledgment (initial)

(c) Lessee has received copies of all information listed above.

(d) Lessee has received the pamphlet *Protect Your Family from Lead in Your Home*.

Agent's Acknowledgment (initial)

(e) Agent has informed the lessor of the lessor's obligations under 42 U.S.C. 4852d and is aware of his/her responsibility to ensure compliance.

Certification of Accuracy

The following parties have reviewed the information above and certify, to the best of their knowledge, that the information they have provided is true and accurate.

_____ Lessor	_____ Date	_____ Lessor	_____ Date
_____ Lessee	_____ Date	_____ Lessee	_____ Date
_____ Agent	_____ Date	_____ Agent	_____ Date

ATTACHMENT D

FSS LICENSURE

Dear MIKE V DIFABIO,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
oplc.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, ACTING COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

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

MIKE V DIFABIO

CERTIFICATE NO
000898
CURRENT THROUGH
12/31/16
VALIDATION NO
03-388942

SIGNATURE

ACTING COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
MIKE V DIFABIO
CERTIFICATE NO
000898
CURRENT THROUGH
12/31/16

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE

ACTING COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/ certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
MIKE V DIFABIO
CERTIFICATE NO
000898
CURRENT THROUGH
12/31/16
VALIDATION NO
03-388942

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE

ACTING COMMISSIONER



1084 Cromwell Avenue Suite, A-2
Rocky Hill, CT 06067
Tel: 860-436-4364
Fax: 860-436-4626
www.martinezcouch.com

Attachment 10 – Checklist Item 13C Documentation – Lead Hazard Remediation Plan

Part 1 General

1.1 SCOPE

- A. The work specified herein includes lead paint hazard reduction in accordance with The Department of Housing and Urban Development (HUD) Lead Safe Housing Rule (24 CFR 35) for all components and surfaces containing defective toxic levels of lead paint. The work shall be conducted to satisfy the requirements of federal HUD standards. Testing was performed in accordance with HUD and State of Connecticut protocols.

Property Information:

Address: 758 East Broadway, Milford, CT
(A two story, single family residence)

Property Owner: Damian Pasqua
41 Green Street, Milford, CT

Lead Testing Performed by:

Maureen Monaco – Lead Inspector /Risk Assessor #1172

Gilbertco Lead Inspections LLC- Consultant Contractor #270
287 Main Street
Ansonia, CT 06401
1-800-959-2985

Date of testing: October 13, 2016

Methodology: Heuresis Pbi200 Handheld XRF Spectrum Analyzer

Resident Information:

No children under the age of six in residence.

- B. Prior to abatement or interim controls, repair work including but not limited to the repair of any leaks related to the deterioration of lead based painted surfaces is required. Paint on exposed rafter tails in designated areas will be stabilized with state approved encapsulant prior to rigidly encapsulating.
- C. Abatement or Lead Hazard Remediation includes the following methods:
- Replacement by removing components such as windows, doors, and trim that have lead painted surfaces and installing new lead free components. Architectural replacement components shall conform with all contract requirements. Product submittals shall conform with requirements of Section 01 33 00- Submittal Procedures.

- Rigid enclosure using enclosure system by mechanically attaching a rigid durable barrier covering building components with all edges and seams sealed with caulk or other sealant. Enclosures are intended to prevent access and exposure to lead painted surfaces and provide a “dust –tight” system to trap and lead contaminated dust.

Appropriate enclosure materials include:

<u>Surface Location</u>	<u>Covering Material</u>
Exterior Trim	Aluminum or vinyl coil stock
Exterior Finish	Aluminum or vinyl siding
Interior Finish	Drywall, wainscoting
Steps	Vinyl or rubber tread and riser coverings
Floors	Underlayment and vinyl

- Liquid Encapsulation by application of an approved liquid coating that acts as a barrier between lead based paint and the environment. Encapsulants are not to be used on friction surfaces. Contractor must insure substrate worthiness by performing ‘x test’ and patch test.
- Paint removal by separation of lead paint from the surface of components. This activity may include the following methods when performed with the proper conditions and engineering controls:
 1. Mechanical removal by wet scraping or HEPA needle gun.
 2. Chemical removal by use of strippers in accordance with manufacturer’s specifications.
 3. Heat Gun by heating the painted surface utilizing proper engineering controls and when temperature does not exceed 700 degrees F.
- Soil Hazard Reduction Methods may include
 1. Removal and replacement of lead contaminated soil by removing the top 2-6 inches of lead contaminated soil, disposing it in accordance with federal and state standards and replacing it with new lead free soil. EPA Guidance recommends this method when lead levels exceed 500 ppm.
 2. Permanent Cover of bare soil areas with concrete, asphalt, or other permanent materials; EPA Guidance recommends this method when lead concentrations in soil exceed 5000 ppm.
 3. Interim controls may include covering lead contaminated soil with grass, gravel, mulch, or restrictive elements such as fences,

shrubbery, or decking to prevent access to contaminated soil. Interim controls require periodic monitoring to ensure that the cover or controls are in place.

- D. Interim controls may be performed by personnel who have received the Renovate Right Certification from the EPA. Interim Controls are measures designed to temporarily reduce human exposure or likely exposure to lead paint hazards, including specialized cleaning, repairs, maintenance painting, and temporary containments.
- E. The Contractor shall provide all labor, materials, equipment, services, insurance, supervision, and incidentals which are necessary or required to perform the work of lead paint remediation in accordance with applicable governmental regulations and these specifications.
- F. The Contractor is responsible for restoring all auxiliary areas utilized during abatement to conditions equal to or better than original. The contractor shall, at no additional expense to the building owner, repair any damage caused to auxiliary areas during the performance of abatement activities.
- G. The Contractor will protect and preserve in operating conditions, including all utilities transversing the building and site. Damage to any utility due to work under this contract shall be repaired to the reasonable satisfaction and at no cost to the building owner.
- H. The Contractor shall coordinate work schedule and site access with the building owner. The contractor shall submit a schedule of work and shall be approved by the building owner prior to the commencement of work. The contractor shall be responsible for securing the building for the duration of the work.
- I. The Contractor shall be responsible for removing and decontaminating movable objects from the work area. This should be coordinated with the building owner.

1.2 DESCRIPTION OF WORK

- A. The site is a single family residential home built about 1905. The home is scheduled to be lifted to meet new flood plain standards with funds from Storm Sandy Disaster Recovery Program.
- B. The scope of work includes stabilization of deteriorated paint and rigidly encapsulating approximately 108 feet of exposed rafter tails with a boxed out wood barrier as designed by MCA . see attached drawing.

- C. An EPA RRP certified contractor will be utilized to perform the required work.
- D. All required lead based paint abatement work shall be conducted in compliance with HUD regulation 24 CFR Part 35.
- E. Lead based paint is present on the similar painted components in the areas of the project as found in the inspection report attached. It is the responsibility of the Contractor to comply with the OSHA Construction industry Standard 29 CFR 1926.62 when conducting abatement activities which may disturb materials with lead based paint.

1.3 PERSONAL PROTECTION

- A. Prior to commencement of work, instruct all workers in all aspects of personal protection, work procedures, emergency evacuation procedures and use of all equipment. A formal respiratory protection program including respiratory protection must be implemented in accordance with 29 CFR 1926.26 and 29 CFR 1910.134.
- B. Contractor will provide appropriate respiratory and filters for protection equipment for each worker and ensure usage during potential dust exposure. Respirators shall be approved by the National Institute for Occupational Safety and Health under 30 CFR Part 11.
- C. Contractor will provide and require workers to wear protective clothing in work areas where lead dust concentrations exceed permissible exposure limits established OSHA. This includes impervious coveralls with elastic wrists and ankles, head covering, gloves, and foot coverings.

1.4 PREPARATION OF LEAD CONTROL AREA

- A. Post warning signs meeting EPA Renovate Right Program at each entrance and exit. Notification to tenants or owner must be made in writing.
- B. Install an impermeable cloth or vinyl on ground under work area to collect paint dust, chips, and debris.
- C. Remove movable objects within the proposed work area and enclose those items remaining with a minimum of 6 mil poly, sealed with tape.
- D. Pre-clean proposed work area with HEPA vacuum or wet cleaning methods.

- E. Windows and other vents within twenty feet of work areas will be covered with impermeable plastic to prevent lead paint or lead dust from entering the home.

1.5 LEAD REMOVAL

- A. A competent person shall be on the job site at all times to ensure proper work practices are followed.
- B. Utilize wet methods to remove lead based paint and painted components in accordance with 29 CFR 1926.62 utilizing fine mist to moisten surface to prevent lead dust from becoming airborne.
- C. At the end of each work shift remove and place all visible accumulation of paint chips and associated dust and debris. This includes rags, sponges and protective clothing.
- D. The following practices are prohibited:
- Dry scraping
 - Power tools for grinding, sanding, and cutting without HEPA vacuum dust collection

1.6 CLEAN-UP, VISUAL INSPECTION, FINAL INSPECTION

- A. After a visual inspection, the Contractor will remove impermeable drop cloths.
- B. The contractor will call Gilbertco Lead Inspections LLC (1-800-959-2985) or Facilities Support Services LLC at 1-203-288-1281 to do a visual inspection of the exterior of the project to detect incomplete work, visible debris, or damage cause by abatement or remediation activity.
- C. A visual inspection for bare soil areas will be conducted along the exterior perimeter of the site and in water runoff areas. Bare soil can be covered by 2-4 inches of mulch, gravel, good quality grass, restrictive bushes, cement, asphalt or a combination of these.

1.7 DISPOSAL OF HAZARDOUS LEAD BEARING WASTE

- A. Materials associated with the abatement shall be disposed of as hazardous waste with a TCLP reading >5 mg/l. The contractor shall obtain a small quantity hazardous waste generator ID number from the State of Connecticut DEEP for the site, if hazardous waste generated exceeds 100 kilograms per month. Materials associated with this abatement include:
- Any lead containing or lead based paint debris

- Wood painted with lead based paint
 - Stripped paint or paint chips
 - Painted wall or ceiling plaster
 - Painted concrete debris
- B. Disposal of all hazardous waste shall comply with the requirements of Resource Conservation and Recovery Act (RCRA).
- C. Contractor can wipe clean polyethylene sheeting and dispose of it as construction debris.
- D. Dumpsters containing hazardous waste are to be kept covered and locked when not in active use for lading of materials.
- E. All containers of hazardous lead bearing material shall carry the following label in accordance with 29 CFR 1926.62.

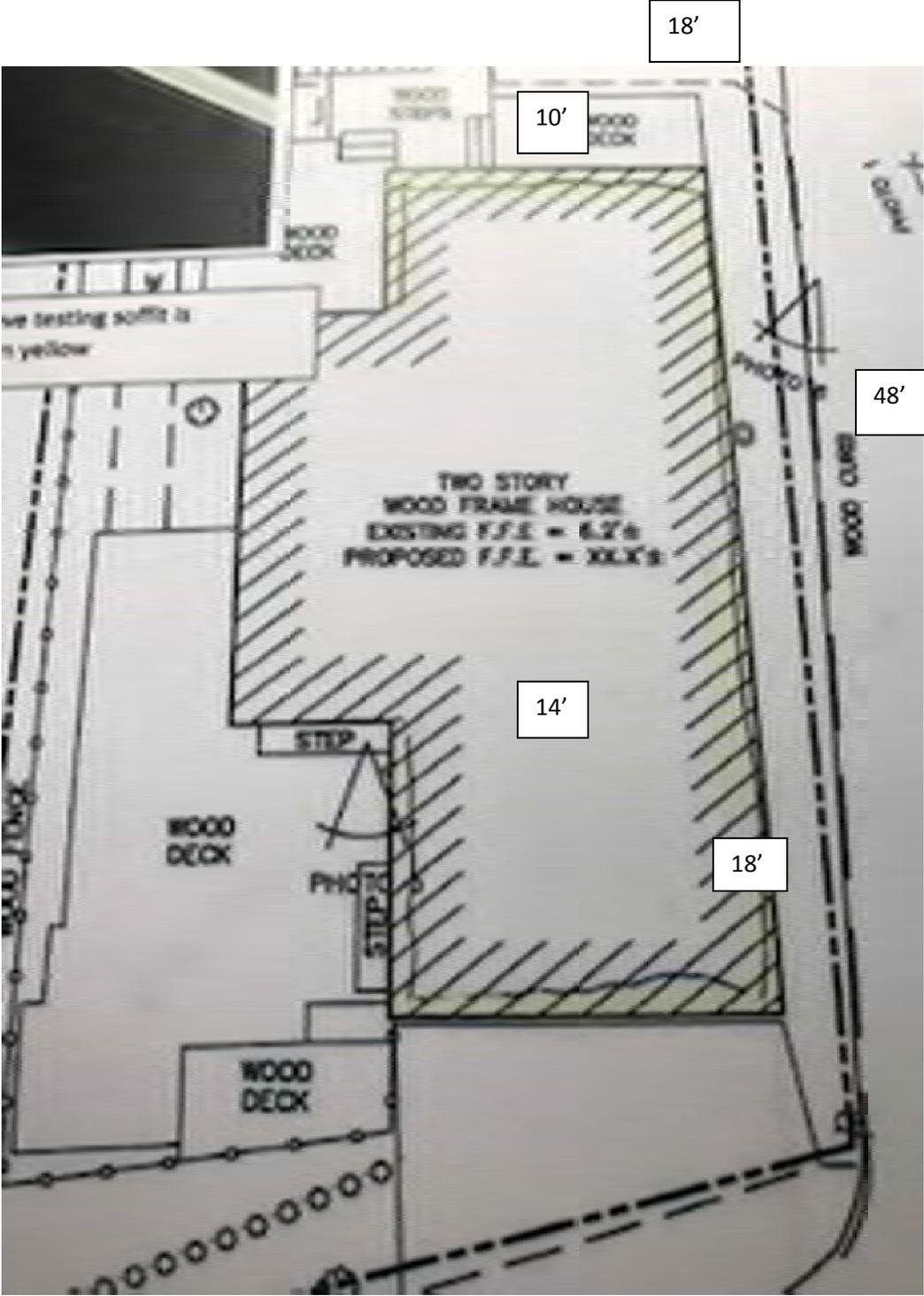
HAZARDOUS LEAD WASTE

Federal Law prohibits improper disposal.
If found, contact the nearest police or public safety authority,
or the U.S. Environmental Protection Agency

Generator Information:
Facility Name: _____
Facility Address: _____
Facility Phone Number: _____
EPA ID / Manifest Document #: _____
Accumulation Start Date: _____
EAP Waste #: _____

HAZARDOUS WASTE SOLID NUMBERS
ORM-E NA 9189 D008
HANDLE WITH CARE

- F. Payment for disposal of hazardous waste will not be made until a signed copy of the manifest from the treatment or disposal facility certifying the amount of lead-containing materials is returned and a copy is furnished.





1084 Cromwell Avenue Suite, A-2
Rocky Hill, CT 06067
Tel: 860-436-4364
Fax: 860-436-4626
www.martinezcouch.com

Attachment 11 – Checklist Item 14A Documentation – Flood Management Certification

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: 758 East Broadway, Milford CT

Application Number: 5061

"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

Date

Name of Applicant (print or type)

Title



7/28/2017

Signature of Professional Engineer

Date

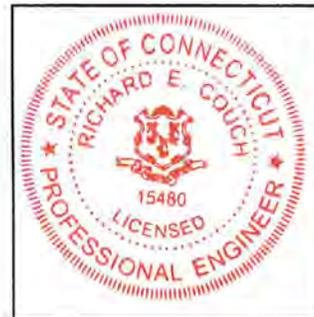
Richard E. Couch

15480

Name of Professional Engineer (print or type)

P.E. Number

Affix P.E. Stamp Here





1084 Cromwell Avenue Suite, A-2
Rocky Hill, CT 06067
Tel: 860-436-4364
Fax: 860-436-4626
www.martinezcouch.com

Attachment 12 – Checklist Item 14C Documentation – Tidal Wetlands



Legend

-  758 East Broadway
-  Tidal Wetland 1990s

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