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12 June 2017

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

RE: Applicant 5057, 33 Blair Street, Milford, CT

Dear Ms. Swenson,

This letter is to provide a summary description of the Statutory Checklist for CDBG-DR Applicant – 5057, Ryan Fredrick.

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 6 – Natural Diversity Database Mapping
- Item 6 – U.S. Fish and Wildlife, Information Planning and Conservation List
- Item 6 – Connecticut Department of Energy and Environmental Protection (CT DEEP) Natural Diversity Database (NDDDB) Review
- 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, Lead TCLP Test Results
- Item 13-D – Hazardous Material Inspection Report, Asbestos Abatement Specifications
- 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, Onsite Wetland Soil Investigation, CT DEEP Certificate of Permission
- Item 14-D – City of Milford Inland Wetlands and Watercourses Letter
- Item 14-E – City of Milford Planning and Zoning Letter

Checklist list items requiring permitting and/or regulatory review include

- Item 13-D – Abatement plan prepared by a CT Licensed Asbestos Abatement Professional.
- 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 5057 – 33 Blair Street

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 type="checkbox"/>	<input checked="" type="checkbox"/>	See attachment 1 for determination statement from CT State Historic Preservation Office. Project activities will have an adverse effects on the state of Connecticut's historic resources. Historic context statement will be completed for standard treatment measure as part Programmatic agreement (PA) for 33 Blair Street, Milford, CT.
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, 2013 indicates the project site at 33 Blair Street, 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 . Project Activities will not affect mapped wetlands. Onsite Wetlands soils investigation completed Identifying Tidal Wetlands present offsite. Report included as attachment 12A. 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 33 Blair Street, Milford, CT is located inside a Coastal Boundary Zone. See attachment 4 for map documentation. Project is consistent with Coastal Management

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.
							Act. 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"/>	<i>On site water and sewer facilities are not included in rehabilitation work for 33 Blair Street, Milford, CT. Connecticut DEEP Bureau of Water Protection and Land Reuse 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.</i>
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 or 24 Migratory Birds on the IPaC list. No Critical Habitats or Wildlife Refugees are Identified in the project site. See attachment 6C for Natural Diversity Database review of project indicating no adverse impacts anticipated with project work.
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(j)]	<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 (k)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The residential structure at 33 Blair Street, Milford CT is located outside the Runway Clear Zone of Tweed/New Haven Commercial Airport.

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
10 D. Toxic Sites [58.5 (1)(2)(f)]	<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 33 Blair Street, Milford, CT is,</p> <ol style="list-style-type: none"> Not listed on EPA's NPL Lists (Proposed and Final) or the State of Connecticut's Superfund Priority List; 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; Not located within 3,000 feet of a landfill site as listed on CT DEEP's active landfill list; Not listed on CT DEEP's Underground Storage Tank list 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"/>	<p>The rehabilitation work at the project site, 33 Blair Street, 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.</p>
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"/>	<p>National Flood Insurance Program (NFIP), Flood Insurance Rate Map (FIRM) Number 09009C0529J, Revised July 8, 2013 indicates the project site at 33 Blair Street, Milford, CT is located inside Zone AE with a base flood elevation of 11 feet defined for the 1% Annual Chance Flood. Map is included as documentation. Property owner will be required to maintain flood insurance for a period of 5 years after acceptance of CDBG-DR OORR project funding CT DOH to enforce.</p>
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"/>	<p>Project at 33 Blair Street, 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</p>

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.	
						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"/>	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. 83251 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"/>	Rehabilitation activities to the residential structure at the project site, 33 Blair Street, Milford, CT, are not expected to affect the capacities of solid waste disposal services.	
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"/>	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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Residential Structure at 33 Blair Street, Milford, CT was built prior to 1978. The results of a Lead Paint Survey are included in attachment 9, 'Hazardous Materials Inspection Report, 33 Blair Street', dated 3 August 2015, prepared by Facility Support Services, LLC. Home demolition waste is not a hazardous material, see attachment 10.
13 D. Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Five (5) asbestos containing material were identified in sampled site materials to be disturbed for project work. Results of testing are included in attachment 9, 'Hazardous Material Inspection Report, 33 Blair Street, Milford, CT, dated 3 August 2015, prepared by Facility Support Services, LLC.. Asbestos containing materials will be abated per, attachment 10, 'Asbestos Abatement Specifications, 33 Blair Street, Milford, CT, dated May 17, 2017, Revised 6/9/2017, prepared by Michael DiFabio, CT CPH Project Designer License #000329. Attachment 11 will be part of construction documents.
13 E. Radon [60.3 (f) 1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Due to the proposed construction of living space above the grade with open space below, radon testing and mitigation is not applicable.
13 F. Mold	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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. Due to the proposed demolition of the existing residential structure and construction of a new residential structure, mold remediation is not applicable.
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 33 Blair Street, 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 12 for Professional Certification on Flood Management Certification for the General Permit for the CDBG-DR OORR/SSRR Program.

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
14 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 13 for documentation. Mapping is Geographic Information System (G.I.S.) map created using data accessed from CT Environmental Conditions Online (CT ECO) of Tidal Wetlands Mapping accessed from http://www.cteco.uconn.edu/ . Onsite Soil Wetlands investigation completed and tidal wetland soils identified. Report included as attachment 13A. Project activities will not occur in tidal wetland soil areas. See attachment 13B for Certificate of Permission #201600508-SJ dated March 3, 2016.
14 D. Local inland wetlands/watercourses [CGS 22a-42]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Project activities have been reviewed by the City of Milford Inlands Wetlands and Watercourses Department. See Attachment 14 for review letter.
14 E. Various municipal zoning approvals	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rehabilitation activities at the project site will need review by City of Milford Building Department for issuance of required building permit. Project requires Special Zoning Permit and Coastal Site Plan Review by City of Milford Planning and Zoning Department. See attachment 15 for City of Milford Planning and Zoning Special Permit and Coastal Plan Review approval letter.

DETERMINATION:

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

Prepared by:


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

6/8/2017
Date

Responsible Entity or designee Signature:


Hermia Dolatre, CDBG-DR Program Manager

8/30/2017
Date



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



Department of Economic and
Community Development

Connecticut
still revolutionary

5057
LS

September 30, 2015

10-2-15
received

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

Subject: Department of Housing Superstorm Sandy Reviews
33 Blair Street
Milford, Connecticut

Dear Ms. Delaire:

The State Historic Preservation Office has reviewed the information submitted for the above-named pursuant to the provisions of Section 106 of the National Historic Preservation Act of 1966. It is the opinion of this office that the property located at 33 Blair Street is eligible for listing on the National Register of Historic Places as a contributing resource to the potential East Broadway Historic District. SHPO understands that the Department of Housing will fund the demolition of the existing structure and construction of a new home because it is more cost effective than rehabilitation and elevation. SHPO has no objection to the proposed undertaking, but the proposed demolition of 33 Blair Street will have an adverse effect on the state's cultural resources.

This office appreciates the opportunity to review and comment upon this project. For additional information, please contact me at (860) 256-2764 or catherine.labadia@ct.gov.

Sincerely,

Catherine Labadia
Deputy State Historic Preservation Officer

State Historic Preservation Office

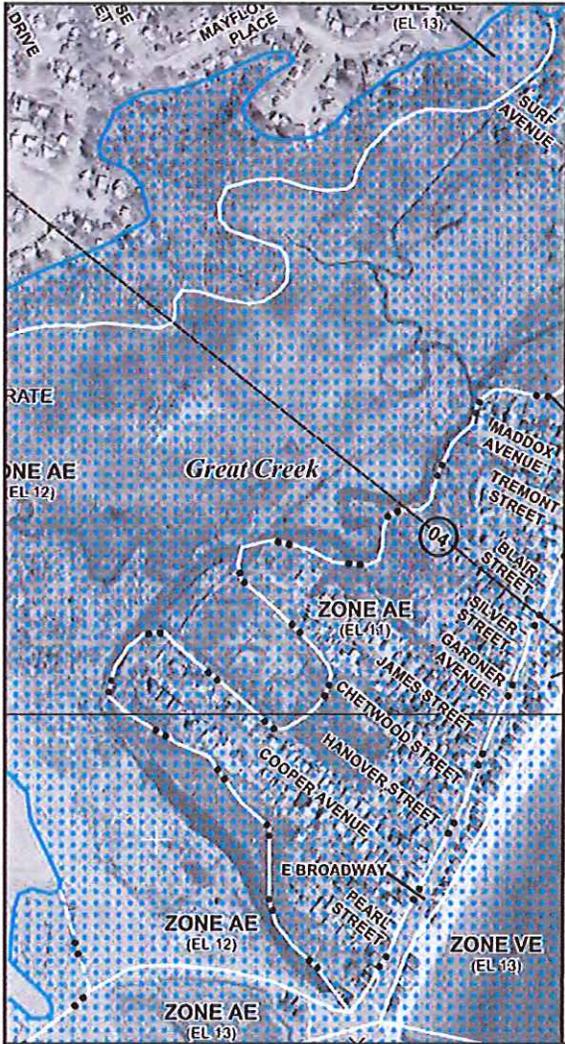
One Constitution Plaza | Hartford, CT 06103 | P: 860.256.2800 | Cultureandtourism.org

An Affirmative Action/Equal Opportunity Employer An Equal Opportunity Lender

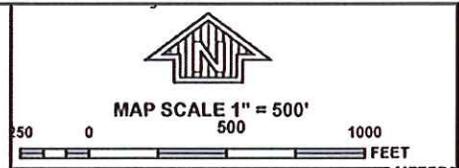


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Attachment 2 – Checklist Item #2, #12A and #14A Documentation – FEMA FIRM Flood Mapping



DRIVE
MAYFLOW PLACE
SURF AVENUE
RATE
ONE AE (EL 12)
Great Creek
LIMIT OF MODERATE WAVE ACTION
MADDOX AVENUE
TREMONT STREET
BLAIR STREET
SILVER STREET
GARDNER AVENUE
JAMES STREET
CHELWOOD STREET
HANOVER STREET
COOPER AVENUE
E BROADWAY
PEARL STREET
ZONE AE (EL 12)
ZONE AE (EL 13)
ZONE VE (EL 13)
JOINS PANEL 0533
45° 63' 00" N



NFP 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	09002	029	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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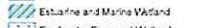
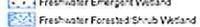
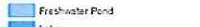
Attachment 3 – Checklist Item 3 Documentation – Wetlands Protection

Legend

 33 Blair Street

NWI Wetlands

Wetland Type

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

 33 Blair Street

Source: U.S. Army Corps of Engineers, EIS, NRE, California Intermap, Inc., and ESRI. Data: USGS, ESRI, NOAA, GeoBase, IGN, Esri, Inc., Ordnance Survey, Esri Japan, METI, Esri China (Hong





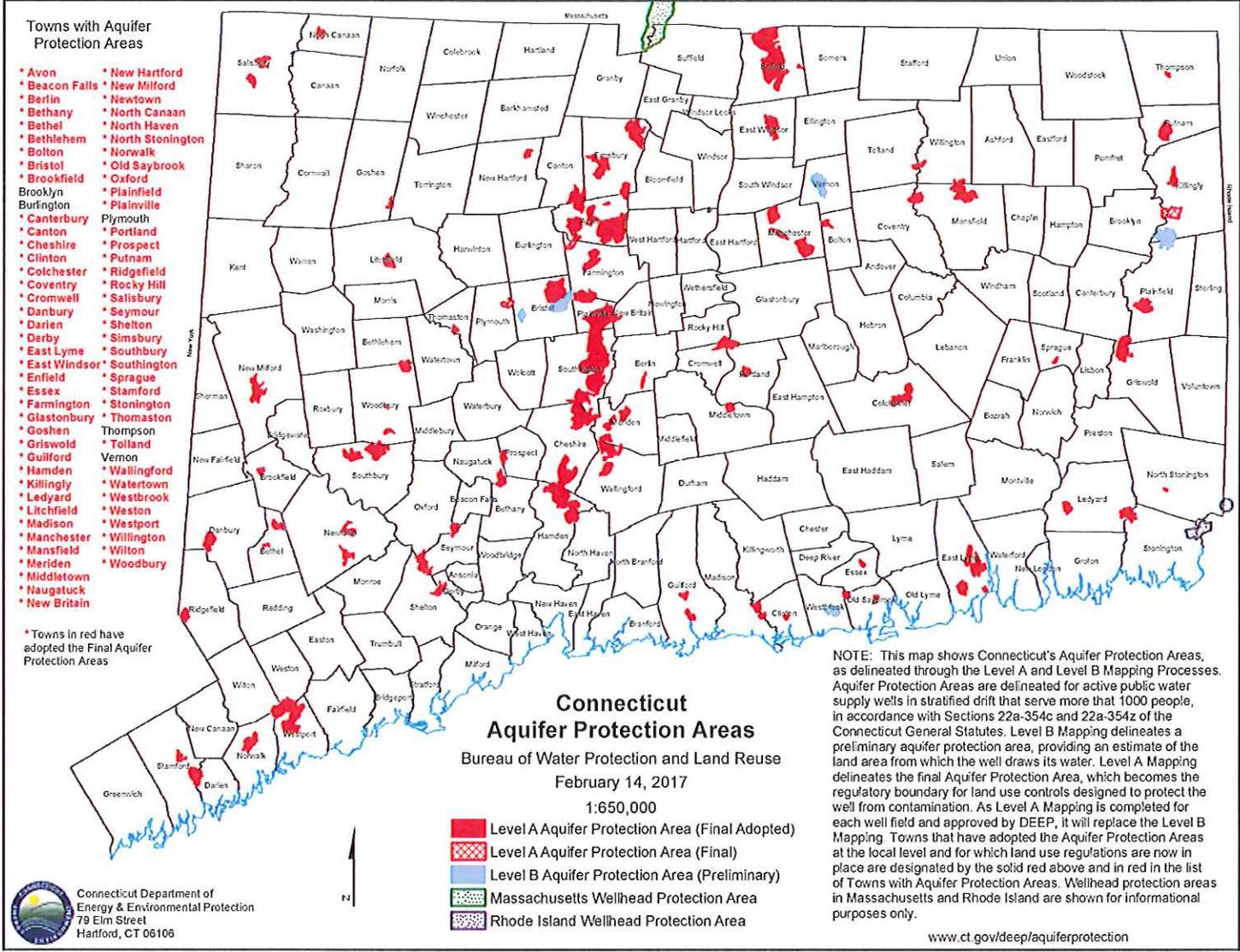
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Attachment 4 – Checklist Item 4 Documentation – Coastal Management Zone



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

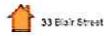




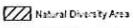
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Attachment 6A – Checklist Item 6 Documentation – Natural Diversity Data Base and Endangered Species

Legend



33 Blair Street



Natural Diversity Area

33 Blair Street

Service Layer Credits: Sources: EPA, BPE, DuPont, Forman, Johnson & Assoc., USGS, USGS, FAD, NPS, NPS, NPS, Decatur, PA, Knappton, C. Simpson Survey, ERI, NPS, METI, EY/CH2M HILL





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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

Concord, NH 03301-5094

<http://www.fws.gov/newengland>

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 [Endangered Species 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:

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

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

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 Bittern <i>Botaurus lentiginosus</i> https://ecos.fws.gov/ecp/species/6582	On Land: Breeding
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
Blue-winged Warbler <i>Vermivora pinus</i>	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 Bittern <i>Ixobrychus exilis</i> https://ecos.fws.gov/ecp/species/6175	On Land: Breeding

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
Pied-billed Grebe <i>Podilymbus podiceps</i>	On Land: Year-round
Prairie Warbler <i>Dendroica discolor</i>	On Land: Breeding
Purple Sandpiper <i>Calidris maritima</i>	On Land: Wintering
Rusty Blackbird <i>Euphagus carolinus</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
Wood Thrush <i>Hylocichla mustelina</i>	On Land: Breeding
Worm Eating Warbler <i>Helmitheros vermivorum</i>	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. NOANCCOS 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 NOANCCOS models: the models were developed as part of the NOANCCOS 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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Rocky Hill, CT 06067
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Fax: 860-436-4626
www.martinezcouch.com

Attachment 6C – Checklist Item 6 Documentation – CT DEEP, NDDB Review



Connecticut Department of

ENERGY &
ENVIRONMENTAL
PROTECTION

January 24, 2016

Mathew Ranando
Martinez Couch & Associates L.L.C.
1084 Cromwell Ave., Suite A-2
Rocky Hill, CT 06067
mranando@martinezcouch.com

Project: Project 5057- Demolition Of Existing House and Construction of New Residence at 33 Blair Street in Milford
NDDDB Determination No.: 201600297

Dear Mathew Ranando,

I have reviewed Natural Diversity Data Base (NDDDB) maps and files regarding the area delineated on the map provided for the proposed Project 5057- Demolition Of Existing House and Construction of New Residence at 33 Blair Street in Milford, Connecticut. I do not anticipate negative impacts to State-listed species (RCSA Sec. 26-306) resulting from your proposed activity at the site based upon the information contained within the NDDDB. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits. This determination is good for one year. Please re-submit an NDDDB Request for Review if the scope of work changes or if work has not begun on this project by January 24, 2017.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or dawn.mckay@ct.gov. Thank you for consulting the Natural Diversity Data Base.

Sincerely,

Dawn M. McKay
Environmental Analyst 3



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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



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



Facility Support Services, LLC

Environmental & Safety Consulting Engineers

**Connecticut Department of Housing
Community Development Block Grant – Disaster Recovery
Owner Occupied Recovery and Rehabilitation Program**

**Hazardous Materials
Inspection Report**

Applicant No. 5057

**33 Blair Street
Milford, Connecticut**

PREPARED FOR:

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

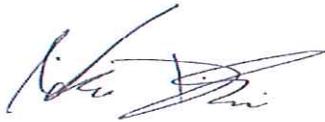
PREPARED BY:

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

August 3, 2015

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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V. Lead.....	4
VI. Conclusions & Recommendations.....	5

ATTACHMENTS

Attachment A	FSS Licensure
Attachment B	Asbestos Laboratory Analytical Data
Attachment C	PCB Laboratory Analytical Data
Attachment D	Lead Report
Attachment E	Photographs

I. Introduction

Facility Support Services, LLC (FSS) was contracted by Martinez, Couch & Associates, LLC (MCA) to perform a limited scope hazardous materials survey of 33 Blair Street in 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 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. FSS did not perform radon testing due to the proposed demolition of the residence.

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 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 an inspection of visible mold growth within the residence on July 9, 2015. No visible mold growth was observed in any portion of the residence, in addition, since this project involves demolition of the entire residence, testing for mold air was not conducted.

III. Asbestos

FSS conducted a limited scope asbestos inspection and bulk sampling on July 9, 2015 of suspect building materials that are proposed for demolition. The inspection was conducted by Michael DiFabio, a State of Connecticut licensed Asbestos Inspector. Mr. DiFabio's Connecticut Asbestos Inspectors license is provided in Attachment A.

The following suspect materials were identified during the inspection:

- Throughout home:
 - Gray papered sheetrock
 - Painted sheetrock
 - Joint compound
 - Pink insulation
 - Paper associated w/ pink insulation

- White insulation
 - Paper associated w/ white insulation
- Small bedroom:
 - Black insulation paper
 - Insulation associated w/ black insulation paper
- Waste barrels:
 - Floor tile and setting compound
- Living room floor near waste barrels:
 - Scrap linoleum pile
- Kitchen:
 - Tar paper on floor
 - Ceiling board under sheetrock
- Hall between bathroom and room w/ closet:
 - Setting compound
- Hall in front of bathroom:
 - Scrap floor tile (vinyl)
- Bedroom w/ closet:
 - 12"x12" vinyl floor tile
- Bathroom:
 - Floor tile grout w/ associated setting compound
 - Wall tile grout
 - Caulk beneath mirror
 - Green sheetrock
- Exterior:
 - Porch window caulking (bottom)
 - Between staircase and house – rolled roofing used as siding (top layer)
 - Between staircase and house – rolled roofing used as siding (bottom layer)
 - Between staircase and house – a bead of tar sealer (to seal two layers of rolled roofing together)
 - Beneath vinyl siding – white paper
 - Roof – shingles
 - Roof – Tar paper
 - Roof – Vent flashing tar

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. EMSL recommended additional Transmission Electron Microscopy (TEM) analysis for one of the materials sampled (Porch Roof to Main House Tar) due to matrix interferences. FSS activated the samples for TEM analysis. Copies of the laboratory analytical results can be found in Attachment B of this report.

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

- * Living room floor near waste barrels – scrap linoleum pile
- * Hall in front of bathroom – scrap floor tile (vinyl)
- * Exterior between stair case and house – rolled roofing used as siding (bottom layer)
- * Exterior between staircase and house – a bead of tar sealer (to seal two layers of rolled roofing together)
- Roof – vent flashing tar

Photographs for materials labeled with an asterisk () are located in Attachment E*

IV. PCBs

Following an inspection of building materials proposed for renovations, twelve suspected PCB-containing materials were identified:

- PCB-01 (Paper associated w/ pink insulation)
- PCB-02 (Paper associated w/ white insulation)
- PCB-03 (Small bedroom-black insulation paper)
- PCB-04 (Tar paper on kitchen floor)
- PCB-05 (Caulk beneath mirror in bathroom)
- PCB-06 (Exterior porch window caulking (bottom))
- PCB-07 (Exterior between staircase and house – rolled roofing used as siding (top layer))
- PCB-08 (Exterior between staircase and house – rolled roofing used as siding (bottom layer))
- PCB-09 (Exterior between staircase and house – a bead of tar sealer (to seal two layers of rolled roofing together))
- PCB-10 (Roof shingles)
- PCB-11 (Roof tar paper)
- PCB-12 (Roof vent flashing tar)

Copies of the laboratory analytical results can be found in Attachment C of this report.

Laboratory results have revealed that the PCB content of the following tested material is above the 1 parts per million (ppm) required to confirm a material as being regulated for PCBs.

- * PCB-04 (Tar paper on kitchen floor)

Photographs for materials labeled with an asterisk () are located in Attachment E*

V. Lead

The subject residential structure was built prior to 1978 (in approximately 1940) 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 Gilberto Lead Inspections, LLC (Gilbertco) utilizing a RMD LPA-1 X-Ray Fluoroscope Spectrum Analyzer. Attachment D contains the Lead Inspection Report. The findings of the investigation determined that the following tested surfaces were positive for lead based paint ($>1.0 \text{ mg/cm}^2$):

- Front enclosure wall (Side 1)
- Front enclosure window sill (Side 1)
- Front enclosure threshold (Side 3)
- Exterior window sill (Side 1)
- Exterior overhang (Side 2)

Non-Intact Materials

A copy of the Gilbertco Lead Inspection Report is provided in Attachment D. Following the HUD Lead-Safe Housing Guidelines, non-intact materials should undergo interim measures to abate the hazard. The findings of the investigation determined that the following tested surfaces were positive for lead based paint ($>1.0 \text{ mg/cm}^2$) and considered non-intact/defective:

- Front enclosure wall (Side 1)
- Front enclosure window sill (Side 1)
- Front enclosure threshold (Side 3)
- Exterior overhang (Side 2)

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.

FSS has evaluated proposed demolition materials against the XRF lead evaluation of painted surfaces. Based on this evaluation, some materials proposed for demolition contain lead based on XRF screening. These materials, or the entire mass of the demolished materials, should be evaluated for leachable lead to determine if they should be disposed of as hazardous waste.

VI. Conclusions & Recommendations

When the structure is renovated/demolished, all removed debris should be sent to an appropriate landfill for final disposal following all appropriate regulations. Any work involving lead-containing paints should be conducted under the EPA's RRP Renovation, Repair and Painting Rule. 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 – Five asbestos containing materials (>1% asbestos) were identified in materials proposed for renovation or demolition:

- * **Living room floor near waste barrels – scrap linoleum pile**
- * **Hall in front of bathroom – scrap floor tile (vinyl)**
- * **Exterior between stair case and house – rolled roofing used as siding (bottom layer)**
- * **Exterior between staircase and house – a bead of tar sealer (to seal two layers of rolled roofing together)**

- **Roof – vent flashing tar**

Photographs for materials labeled with an asterisk () are located in Attachment E*

An asbestos work plan should be prepared for removal and proper disposal of this material prior to demolition of the residence.

PCBs- Twelve suspected PCB-containing materials were identified in proposed demolition materials PCB-containing tar paper, located on the kitchen floor (PCB-04), was identified in proposed demolition materials. The wood the tar paper is adhered to should also be removed by properly trained individuals and disposed of as PCB containing materials (>1 ppm and <10 ppm). No confirmatory sampling will be required since all materials exposed to the tar paper will be removed and disposed of. A PCB work plan should be developed for removal and proper disposal of this material.

Mold - FSS conducted a visual inspection of mold growth within the residence. No visible mold growth was observed in any portion of the residence; in addition, since this project involves demolition of the residence, testing for mold air was not conducted.

Lead - Following the HUD Lead-Safe Housing Guidelines, the non-intact areas should undergo interim measures to abate the hazard. Non-intact lead containing surfaces were identified within the residence at the following locations;

- Front enclosure wall (Side 1)
- Front enclosure window sill (Side 1)
- Front enclosure threshold (Side 3)
- Exterior overhang (Side 2)

There are areas that tested positive for lead that are proposed for demolition. Further consideration for lead containing demolition debris is required for this project. This evaluation can include as composite sampling of all materials in the home proposed for demolition to determine hazardous levels of lead as a whole, or sampling of individual components via TCLP analysis. Materials identified, via TCLP analysis, with lead concentrations of > 5.0 mg/L are considered hazardous and require proper disposal.

ATTACHMENTS

ATTACHMENT A

FSS LIENSURE

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 (860) 509-7603
P.O. Box 340308 opic.dph@ct.gov
M.S.#12MQA www.ct.gov/dph/license
Hartford, CT 06134-0308

Sincerely,

JEWEL MULLEN, MD, MPH, MPA, 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
12/31/15
VALIDATION NO
03-255035

SIGNATURE
COMMISSIONER

EMPLOYER'S COPY
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

VALIDATION NO
03-255035

NAME
MIKE V DIFABIO

CERTIFICATE NO
000898

CURRENT THROUGH
12/31/15

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE

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.

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DEPARTMENT OF PUBLIC HEALTH

VALIDATION NO
03-255035

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CERTIFICATE NO
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ATTACHMENT B
ASBESTOS LABORATORY ANALYTICAL DATA



EMSL Analytical, Inc.

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

EMSL Order: 241502998
CustomerID: FSS93
CustomerPO:
ProjectID:

Attn: **Michael DiFabio**
Facility Support Services, LLC
2685 State Street

Hamden, CT 06517
Project: 33 BLAIR ST/22214

Phone: (203) 288-1281
Fax: (203) 248-4409
Received: 07/10/15 8:25 AM
Analysis Date: 7/17/2015
Collected: 7/9/2015

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
222140709-505701A 241502998-0001	Throughout home (living room) - gray papered sheetrock	Gray Fibrous Homogeneous	2% Glass	98% Non-fibrous (other)	None Detected
222140709-505701B 241502998-0002	Throughout home (kitchen) - gray papered sheetrock	Gray Fibrous Homogeneous	<1% Glass	100% Non-fibrous (other)	None Detected
222140709-505701C 241502998-0003	Throughout home (scraps) - gray papered sheetrock	Gray Fibrous Homogeneous	<1% Cellulose 2% Glass	98% Non-fibrous (other)	None Detected
222140709-505702A 241502998-0004	Throughout home (living room) - painted sheetrock	White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
222140709-505702B 241502998-0005	Throughout home (kitchen) - painted sheetrock	White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
222140709-505702C 241502998-0006	Throughout home (bedroom w/closet) - painted sheetrock	White Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
222140709-505703A 241502998-0007	Throughout home (living room) - joint compound	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (other)	None Detected

Analyst(s)

David Sherwood (19) Lauren Brennan (26)
Kristin Lopez (38) William Shedrawy (19)

Gloria V. Oriol, Laboratory Manager
or other approved signatory

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Initial report from 07/17/2015 08:16:45

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505703B 241502998-0008	Throughout home (bedroom w/closet) - joint compound	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (other)	None Detected
222140709-505703C 241502998-0009	Throughout home (bathroom) - joint compound	White Non-Fibrous Homogeneous	<1% Cellulose	50% Ca Carbonate 50% Non-fibrous (other)	None Detected
222140709-505704A 241502998-0010	Throughout home (small bedroom) - pink insulation	Pink Fibrous Homogeneous	99% Min. Wool	1% Non-fibrous (other)	None Detected
222140709-505704B 241502998-0011	Throughout home (kitchen) - pink insulation	Pink Fibrous Homogeneous	99% Min. Wool	1% Non-fibrous (other)	None Detected
222140709-505704C 241502998-0012	Throughout home (living room) - pink insulation	Pink Fibrous Homogeneous	99% Min. Wool	1% Non-fibrous (other)	None Detected
222140709-505705A 241502998-0013	Throughout home (small bedroom) - paper associated w/pink insulation	Brown/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
222140709-505705B 241502998-0014	Throughout home (kitchen) - paper associated w/pink insulation	Brown/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505705C 241502998-0015	Throughout home (living room) - paper associated w/pink insulation	Brown/Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (other)	None Detected
222140709-505706A 241502998-0016	Throughout home (bedroom w/closet) - white insulation	White Fibrous Homogeneous	99% Min. Wool	1% Non-fibrous (other)	None Detected
222140709-505706B 241502998-0017	Throughout home (bedroom w/closet) - white insulation	White Fibrous Homogeneous	99% Min. Wool	1% Non-fibrous (other)	None Detected
222140709-505706C 241502998-0018	Throughout home (small bedroom) - white insulation	White Fibrous Homogeneous	99% Min. Wool	1% Non-fibrous (other)	None Detected
222140709-505707A 241502998-0019	Throughout home (bedroom w/closet) - paper associated w/white insulation	Brown/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
222140709-505707B 241502998-0020	Throughout home (bedroom w/closet) - paper associated w/white insulation	Brown/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
222140709-505707C 241502998-0021	Throughout home (small bedroom) - paper associated w/white insulation	Brown/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505708A 241502998-0022	Small bedroom - black insulation paper	Brown/Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
222140709-505708B 241502998-0023	Small bedroom - black insulation paper	Brown/Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
222140709-505708C 241502998-0024	Small bedroom - black insulation paper	Brown/Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
222140709-505709A 241502998-0025	Small bedroom - insulation associated w/black paper	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
222140709-505709B 241502998-0026	Small bedroom - insulation associated w/black paper	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
222140709-505709C 241502998-0027	Small bedroom - insulation associated w/black paper	Brown Fibrous Homogeneous	100% Cellulose	0% Non-fibrous (other)	None Detected
222140709-505710A-Ceramic Tile 241502998-0028	Waste barrels - floor tile + setting compound	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505710A-Setting Compound <i>241502998-0028A</i>	Waste barrels - floor tile + setting compound	White Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (other)	None Detected
222140709-505710B-Ceramic Tile <i>241502998-0029</i>	Waste barrels - floor tile + setting compound	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
222140709-505710B-Setting Compound <i>241502998-0029A</i>	Waste barrels - floor tile + setting compound	White Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (other)	None Detected
222140709-505710C-Ceramic Tile <i>241502998-0030</i>	Waste barrels - floor tile + setting compound	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
222140709-505710C-Setting Compound <i>241502998-0030A</i>	Waste barrels - floor tile + setting compound	White Non-Fibrous Homogeneous	<1% Cellulose	15% Quartz 85% Non-fibrous (other)	None Detected
222140709-505711A-Floor Tile 1 <i>241502998-0031</i>	Living room near waste barrels - scrap linoleum pile	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile

Analyst(s)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505711A-Floor Tile 2 241502998-0031A	Living room near waste barrels - scrap linoleum pile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
222140709-505711A-Linoleum 241502998-0031B	Living room near waste barrels - scrap linoleum pile	Brown Fibrous Homogeneous	35% Glass	65% Non-fibrous (other)	None Detected
222140709-505711A-Glue 241502998-0031C	Living room near waste barrels - scrap linoleum pile	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
222140709-505711B-Floor Tile 1 241502998-0032	Living room near waste barrels - scrap linoleum pile	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
222140709-505711B-Floor Tile 2 241502998-0032A	Living room near waste barrels - scrap linoleum pile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
222140709-505711B-Linoleum 241502998-0032B	Living room near waste barrels - scrap linoleum pile	Brown Fibrous Homogeneous	35% Glass <1% Cellulose	65% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505711B-Glue 241502998-0032C	Living room near waste barrels - scrap linoleum pile	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
222140709-505711C-Floor Tile 1 241502998-0033	Living room near waste barrels - scrap linoleum pile	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
222140709-505711C-Floor Tile 2 241502998-0033A	Living room near waste barrels - scrap linoleum pile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
222140709-505711C-Linoleum 241502998-0033B	Living room near waste barrels - scrap linoleum pile	Brown Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected
222140709-505711C-Glue 241502998-0033C	Living room near waste barrels - scrap linoleum pile	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
222140709-505712A 241502998-0034	Kitchen - tar paper on floor	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
222140709-505712B 241502998-0035	Kitchen - tar paper on floor	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505712C 241502998-0036	Kitchen - tar paper on floor	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
222140709-505713A 241502998-0037	Hall between bathroom and room w/closet - setting compound	White Non-Fibrous Homogeneous	<1% Cellulose	25% Quartz 75% Non-fibrous (other)	None Detected
222140709-505713B 241502998-0038	Hall between bathroom and room w/closet - setting compound	White Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (other)	None Detected
222140709-505713C 241502998-0039	Hall between bathroom and room w/closet - setting compound	White Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (other)	None Detected
222140709-505714A-Gray Floor Tile 241502998-0040	Hall in front of bathroom - scrap floor tile (vinyl)	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
222140709-505714A-Tan Floor Tile 241502998-0040A	Hall in front of bathroom - scrap floor tile (vinyl)	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505714B-Gray Floor Tile 241502998-0041	Hall in front of bathroom - scrap floor tile (vinyl)	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
222140709-505714B-Tan Floor Tile 241502998-0041A	Hall in front of bathroom - scrap floor tile (vinyl)	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
222140709-505714C-Gray Floor Tile 241502998-0042	Hall in front of bathroom - scrap floor tile (vinyl)	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
222140709-505714C-Tan Floor Tile 241502998-0042A	Hall in front of bathroom - scrap floor tile (vinyl)	Tan Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
222140709-505715A 241502998-0043	Bedroom w/closet - 12"x12" vinyl floor tile	White Non-Fibrous Homogeneous	3% Cellulose	30% Ca Carbonate 67% Non-fibrous (other)	None Detected
222140709-505715B 241502998-0044	Bedroom w/closet - 12"x12" vinyl floor tile	White Non-Fibrous Homogeneous	2% Cellulose	35% Ca Carbonate 63% Non-fibrous (other)	None Detected

Analyst(s)

David Sherwood (19) Lauren Brennan (26)
 Kristin Lopez (38) William Shedrawy (19)

Gloria V. Oriol, Laboratory Manager
 or other approved signatory

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Initial report from 07/17/2015 08:16:45



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EMSL Order: 241502998
CustomerID: FSS93
CustomerPO:
ProjectID:

Attn: **Michael DiFabio**
Facility Support Services, LLC
2685 State Street

Hamden, CT 06517
Project: 33 BLAIR ST/22214

Phone: (203) 288-1281
Fax: (203) 248-4409
Received: 07/10/15 8:25 AM
Analysis Date: 7/17/2015
Collected: 7/9/2015

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
222140709-505715C 241502998-0045	Bedroom w/closet - 12"x12" vinyl floor tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
222140709-505716A-Grout 241502998-0046	Bathroom - floor tile grout w/setting compound	Black Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (other)	None Detected
222140709-505716A-Setting Compound 241502998-0046A	Bathroom - floor tile grout w/setting compound	White Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (other)	None Detected
222140709-505716B-Grout 241502998-0047	Bathroom - floor tile grout w/setting compound	Black Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (other)	None Detected
222140709-505716B-Setting Compound 241502998-0047A	Bathroom - floor tile grout w/setting compound	White Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (other)	None Detected
222140709-505716C-Grout 241502998-0048	Bathroom - floor tile grout w/setting compound	Gray/Black Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505716C-Setting Compound <i>241502998-0048A</i>	Bathroom - floor tile grout w/setting compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
222140709-505717A <i>241502998-0049</i>	Bathroom - wall tile grout	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
222140709-505717B <i>241502998-0050</i>	Bathroom - wall tile grout	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
222140709-505717C <i>241502998-0051</i>	Bathroom - wall tile grout	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
222140709-505718A <i>241502998-0052</i>	Bathroom - caulk beneath mirror	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
222140709-505718B <i>241502998-0053</i>	Bathroom - caulk beneath mirror	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
222140709-505718C <i>241502998-0054</i>	Bathroom - caulk beneath mirror	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505719A 241502998-0055	Bathroom - green sheetrock	White Fibrous Homogeneous	7% Cellulose 3% Glass	90% Non-fibrous (other)	None Detected
222140709-505719B 241502998-0056	Bathroom - green sheetrock	White Fibrous Homogeneous	6% Cellulose 3% Glass	91% Non-fibrous (other)	None Detected
222140709-505719C 241502998-0057	Bathroom - green sheetrock	White Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
222140709-505720A 241502998-0058	Kitchen - ceiling board under sheetrock	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (other)	None Detected
222140709-505720B 241502998-0059	Kitchen - ceiling board under sheetrock	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (other)	None Detected
222140709-505720C 241502998-0060	Kitchen - ceiling board under sheetrock	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (other)	None Detected
222140709-505721A 241502998-0061	Exterior porch windows (bottom) - window caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505721B 241502998-0062	Exterior porch windows (bottom) - window caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
222140709-505721C 241502998-0063	Exterior porch windows (bottom) - window caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
222140709-505722A 241502998-0064	Exterior between staircase and house - rolled roofing used as siding top layer	White/Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (other)	None Detected
222140709-505722B 241502998-0065	Exterior between staircase and house - rolled roofing used as siding top layer	White/Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
222140709-505722C 241502998-0066	Exterior between staircase and house - rolled roofing used as siding top layer	Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
222140709-505723A 241502998-0067	Exterior between staircase and house - rolled roofing used as siding bottom layer	Black Fibrous Homogeneous	10% Cellulose 4% Synthetic	81% Non-fibrous (other)	5% Chrysotile

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Project: **33 BLAIR ST/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
222140709-505723B 241502998-0068	Exterior between staircase and house - rolled roofing used as siding bottom layer	Black Non-Fibrous Homogeneous	3% Cellulose	90% Non-fibrous (other)	7% Chrysotile
222140709-505723C 241502998-0069	Exterior between staircase and house - rolled roofing used as siding bottom layer	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
222140709-505724A 241502998-0070	Exterior between staircase and house - tar sealer (to seal two layers of rolled roofing together)	Black Non-Fibrous Homogeneous	4% Cellulose 2% Synthetic	89% Non-fibrous (other)	5% Chrysotile
222140709-505724B 241502998-0071	Exterior between staircase and house - tar sealer (to seal two layers of rolled roofing together)	Black Non-Fibrous Homogeneous	4% Cellulose	89% Non-fibrous (other)	7% Chrysotile
222140709-505724C 241502998-0072	Exterior between staircase and house - tar sealer (to seal two layers of rolled roofing together)	Black Non-Fibrous Homogeneous		93% Non-fibrous (other)	7% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505725A 241502998-0073	Beneath vinyl siding - paper	White Fibrous Homogeneous	98% Synthetic	2% Non-fibrous (other)	None Detected
222140709-505725B 241502998-0074	Beneath vinyl siding - paper	White Fibrous Homogeneous	99% Synthetic	1% Non-fibrous (other)	None Detected
222140709-505725C 241502998-0075	Beneath vinyl siding - paper	White Fibrous Homogeneous	99% Synthetic	1% Non-fibrous (other)	None Detected
222140709-505726A 241502998-0076	Roof - shingles	Brown/Black Fibrous Homogeneous	13% Glass	87% Non-fibrous (other)	None Detected
222140709-505726B 241502998-0077	Roof - shingles	Brown/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (other)	None Detected
222140709-505726C 241502998-0078	Roof - shingles	Black Fibrous Homogeneous	4% Glass	96% Non-fibrous (other)	None Detected
222140709-505727A 241502998-0079	Roof - tar paper	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
222140709-505727B 241502998-0080	Roof - tar paper	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
222140709-505727C 241502998-0081	Roof - tar paper	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
222140709-505728A 241502998-0082	Roof - vent flashing tar	Black Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
222140709-505728B 241502998-0083	Roof - vent flashing tar	Black Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
222140709-505728C 241502998-0084	Roof - vent flashing tar	Black Fibrous Homogeneous		93% Non-fibrous (other)	7% Chrysotile

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Asbestos Chain of Custody

EMSL Order Number (Internal Use Only):

241502998
24150299

EMSL Analytical, Inc.
29 North Plains Hwy, Unit 4

Wallingford, CT 06492
PHONE: (203) 284-5948
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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: 33 Blair St / 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: <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different - If Bill to is Different note instructions in Comments** <i>Third Party Billing requires written authorization from third party</i>			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <small>*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.</small>			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)		Soil/Rock/Vermiculite* <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique <small>*Can not accept New York State Loose Fill Vermiculite Samples</small> Other: <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Michael DiFabio		Samplers Signature: <i>[Signature]</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	See Attached		
Client Sample # (s): 01 - 28		Total # of Samples: 84	
Relinquished (Client): <i>[Signature]</i>		Date: 7/10/2015	Time: 8:20am
Received (Lab):		Date:	
Comments/Special Instructions: 611c: Facility Support Services, LLC., 2685 State Street, Hamden, CT, 06517, United States Attention: Michele Valerigo Phone: 203-288-1281 Email: mvalerigo@fssteam.com Purchase Order:			

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JUL 10 2015
By: JD 825am
walkin

241502998

FACILITY SUPPORT SERVICES, LLC
Asbestos Sampling Log

CLIENT: Martinez Couch

DATE: 7/9/15

LOCATION: 33 Blair Street

SAMPLED BY: M. DiFabio

SAMPLE ID	LOCATION	DESCRIPTION
022140709-5057 01A	Throughout Home (Living Room)	Gray Papered Sheetrock
B	(Kitchen)	↓
C	(Scraps)	↓
02A	(Living room)	Painted Sheetrock
B	(Kitchen)	↓
C	(Bedroom w/ closet)	↓
03A	(Living Room)	Joint Compound
B	(Bedroom w/ closet)	
C	(Bathrooms)	
04A	(Small Bedroom)	Pink Insulation
04B	(Kitchen)	
04C	(Living room)	
05A	(Small Bedroom)	Paper Associated w/ pink Insulation
B	(Kitchen)	
C	(Living room)	
06A	(Bedroom w/ closet)	White Insulation
B	↓	
C	(Small Bedroom)	
07A	(Bedroom w/ closet)	Paper Associated w/ white Insulation
B	↓	

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PH: 203-288-1281 FAX: 203-248-4409
Website: www.fssteam.com

Page 2 of 6

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241502998 FACILITY SUPPORT SERVICES, LLC
Asbestos Sampling Log

CLIENT: Martinez Couch

DATE: 7/9/2015

LOCATION: 33 Blair Street

SAMPLED BY: M. DiFabio

SAMPLE ID	LOCATION	DESCRIPTION
022140709-5057 07C	Throughout Home (Small Bedroom)	Paper Associated w/ White Insulation
08A	Small Bedroom	Black Insulation Paper
B	↓	
C		
09A		
B		Insulation Associated w/ Black Paper
C		
10A	Waste Barrels	Floor tile + Setting compound
B	↓	
C		
11A		Living room Near Waste Barrels
B	↓	
C		
12A		Kitchen
B	↓	
C		
13A		Hall between Bathroom and Room w/ Closet
B	↓	
C		
14A	Hall in front of Bathroom	Scrap Floor tile (Vinyl)



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Page 3 of 6

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 JUL 10 2015
 By: JB 825cm
 Walker

241502998 FACILITY SUPPORT SERVICES, LLC
Asbestos Sampling Log

CLIENT: Martinez couch

DATE: 7/9/2015

LOCATION: 33 Blair St

SAMPLED BY: M. DiFabio

SAMPLE ID	LOCATION	DESCRIPTION
232140729-5057 14B	Hall in front of Bathroom	Scrape Floor tile (Vinyl)
C	↓	↓
15A	Bedroom w/ closet	12"x12" Vinyl Floor Tile
B	↓	↓
C	↓	↓
16A	Bathroom	Floor Tile Grout ^{W/setting compound}
B	↓	↓
C	↓	↓
17A		Wall Tile Grout
B		↓
C		↓
18A		Caulk Beneath Mirror
B		↓
C		↓
19A		Green Sheetrock
B		↓
C		↓
20A	Kitchen	Ceiling Board under Sheetrock
B	↓	↓
C	↓	↓

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 JUL 10 2015
 By: JD 825cm
 Walker

[Handwritten Signature]

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Page 4 of 6

241502998 FACILITY SUPPORT SERVICES, LLC

Asbestos Sampling Log

CLIENT: Martinez Couch

DATE: 7/9/2015

LOCATION: 33 Blair St

SAMPLED BY: M. DiFabio

SAMPLE ID	LOCATION	DESCRIPTION
22140709-5057 21A	Exterior porch windows (Bottom)	Window caulking
B	↓	↓
C	↓	↓
22A	Exterior Between staircase and house	Rolled Roofing used as siding ^{TOP} layer
B	↓	↓
C	↓	↓
23A		Rolled Roofing used as siding ^{Bottom} Layer
B	↓	↓
C	↓	↓
24A		Tar Sealer (To Seal two layers of rolled Roofing together)
B	↓	
C	↓	
25A	Beneath Vinyl Siding	Paper
B	↓	↓
C	↓	↓
26A	Roof	Shingles
B	↓	↓
C	↓	↓
27A		Tar Paper
B	↓	↓

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 with in

ATTACHMENT C
PCB LABORATORY ANALYTICAL DATA

80 Lupes Drive
Stratford, CT 06615



Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cct1@cetlabs.com

Client: Mr. Mike DiFabio
Facility Support Services
2685 State Street
Hamden, CT 06517

Analytical Report

CET# 5070239

Report Date: July 15, 2015
Project: 22214-5057, Milford
Project Number: 33 Blair, Milford

Connecticut Laboratory Certificate: PH 0116
Massachusetts laboratory Certificate: M-CT903



New York Certification: 11982
Rhode Island Certification: 199

CET # : 5070239

Project: 22214-5057, Milford

Project Number: 33 Blair, Milford

SAMPLE SUMMARY

The sample(s) were received at 2.1°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
PCB-01	5070239-01	Solid	7/09/2015	07/10/2015
PCB-02	5070239-02	Solid	7/09/2015	07/10/2015
PCB-03	5070239-03	Solid	7/09/2015	07/10/2015
PCB-04	5070239-04	Solid	7/09/2015	07/10/2015
PCB-05	5070239-05	Solid	7/09/2015	07/10/2015
PCB-06	5070239-06	Solid	7/09/2015	07/10/2015
PCB-07	5070239-07	Solid	7/09/2015	07/10/2015
PCB-08	5070239-08	Solid	7/09/2015	07/10/2015
PCB-09	5070239-09	Solid	7/09/2015	07/10/2015
PCB-10	5070239-10	Solid	7/09/2015	07/10/2015
PCB-11	5070239-11	Solid	7/09/2015	07/10/2015
PCB-12	5070239-12	Solid	7/09/2015	07/10/2015

Client Sample ID PCB-01

Lab ID: 5070239-01

PCBs by Soxhlet

Method: EPA 8082A

Analyst: CA

Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:21	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:21	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:21	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:21	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:21	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:21	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:21	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:21	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:21	
Surrogate: TCMX	69.9 %	50 - 150			B5G1403	07/14/2015	07/14/2015 11:21	
Surrogate: DCB	88.6 %	50 - 150			B5G1403	07/14/2015	07/14/2015 11:21	

CET # : 5070239
 Project: 22214-5057, Milford
 Project Number: 33 Blair, Milford

Client Sample ID PCB-02
Lab ID: 5070239-02

PCBs by Soxhlet
Method: EPA 8082A

Analyst: CA
Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:40	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:40	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:40	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:40	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:40	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:40	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:40	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:40	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:40	
<i>Surrogate: TCMX</i>	<i>51.0 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 11:40</i>	
<i>Surrogate: DCB</i>	<i>70.2 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 11:40</i>	

CET # : 5070239

Project: 22214-5057, Milford

Project Number: 33 Blair, Milford

Client Sample ID PCB-03

Lab ID: 5070239-03

PCBs by Soxhlet

Method: EPA 8082A

Analyst: CA

Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:59	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:59	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:59	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:59	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:59	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:59	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:59	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:59	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 11:59	

Surrogate: TCMX

57.9 %

50 - 150

B5G1403

07/14/2015

07/14/2015 11:59

Surrogate: DCB

54.4 %

50 - 150

B5G1403

07/14/2015

07/14/2015 11:59

CET # : 5070239
 Project: 22214-5057, Milford
 Project Number: 33 Blair, Milford

Client Sample ID PCB-04
Lab ID: 5070239-04

PCBs by Soxhlet
Method: EPA 8082A

Analyst: CA
Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:17	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:17	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:17	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:17	
PCB-1248	2.7	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:17	
PCB-1254	1.1	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:17	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:17	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:17	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:17	
<i>Surrogate: TCMX</i>	<i>58.0 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 12:17</i>	
<i>Surrogate: DCB</i>	<i>66.4 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 12:17</i>	

CET # : 5070239
 Project: 22214-5057, Milford
 Project Number: 33 Blair, Milford

Client Sample ID PCB-05
Lab ID: 5070239-05

PCBs by Soxhlet
Method: EPA 8082A

Analyst: CA
Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:36	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:36	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:36	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:36	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:36	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:36	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:36	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:36	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:36	
<i>Surrogate: TCMX</i>	<i>53.0 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 12:36</i>	
<i>Surrogate: DCB</i>	<i>59.2 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 12:36</i>	

CET # : 5070239
 Project: 22214-5057, Milford
 Project Number: 33 Blair, Milford

Client Sample ID PCB-06
Lab ID: 5070239-06

PCBs by Soxhlet
Method: EPA 8082A

Analyst: CA
Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:55	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:55	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:55	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:55	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:55	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:55	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:55	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:55	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 12:55	
<i>Surrogate: TCMX</i>	<i>56.8 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 12:55</i>	
<i>Surrogate: DCB</i>	<i>71.6 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 12:55</i>	

CET # : 5070239

Project: 22214-5057, Milford

Project Number: 33 Blair, Milford

Client Sample ID PCB-07

Lab ID: 5070239-07

PCBs by Soxhlet

Method: EPA 8082A

Analyst: CA

Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:14	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:14	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:14	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:14	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:14	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:14	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:14	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:14	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:14	

Surrogate: TCMX

64.8 %

50 - 150

B5G1403

07/14/2015

07/14/2015 13:14

Surrogate: DCB

68.4 %

50 - 150

B5G1403

07/14/2015

07/14/2015 13:14

CET # : 5070239
 Project: 22214-5057, Milford
 Project Number: 33 Blair, Milford

Client Sample ID PCB-08
Lab ID: 5070239-08

PCBs by Soxhlet
Method: EPA 8082A

Analyst: CA
Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:32	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:32	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:32	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:32	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:32	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:32	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:32	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:32	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:32	
<i>Surrogate: TCMX</i>	<i>51.6 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 13:32</i>	
<i>Surrogate: DCB</i>	<i>53.4 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 13:32</i>	

CET # : 5070239
 Project: 22214-5057, Milford
 Project Number: 33 Blair, Milford

Client Sample ID PCB-09
Lab ID: 5070239-09

PCBs by Soxhlet
Method: EPA 8082A

Analyst: CA
Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:51	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:51	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:51	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:51	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:51	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:51	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:51	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:51	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 13:51	

<i>Surrogate: TCMX</i>	<i>48.8 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 13:51</i>	L
<i>Surrogate: DCB</i>	<i>44.7 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 13:51</i>	L

CET # : 5070239
 Project: 22214-5057, Milford
 Project Number: 33 Blair, Milford

Client Sample ID PCB-10
Lab ID: 5070239-10

PCBs by Soxhlet
Method: EPA 8082A

Analyst: CA
Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:10	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:10	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:10	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:10	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:10	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:10	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:10	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:10	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:10	
<i>Surrogate: TCMX</i>	<i>67.2 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 14:10</i>	
<i>Surrogate: DCB</i>	<i>72.0 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 14:10</i>	

CET # : 5070239
 Project: 22214-5057, Milford
 Project Number: 33 Blair, Milford

Client Sample ID PCB-11
Lab ID: 5070239-11

PCBs by Soxhlet
Method: EPA 8082A

Analyst: CA
Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:28	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:28	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:28	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:28	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:28	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:28	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:28	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:28	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:28	
<i>Surrogate: TCMX</i>	<i>57.0 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 14:28</i>	
<i>Surrogate: DCB</i>	<i>55.1 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 14:28</i>	

CET # : 5070239
 Project: 22214-5057, Milford
 Project Number: 33 Blair, Milford

Client Sample ID PCB-12
Lab ID: 5070239-12

PCBs by Soxhlet
Method: EPA 8082A

Analyst: CA
Matrix: Solid

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:47	
PCB-1221	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:47	
PCB-1232	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:47	
PCB-1242	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:47	
PCB-1248	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:47	
PCB-1254	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:47	
PCB-1260	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:47	
PCB-1268	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:47	
PCB-1262	ND	0.80	4	EPA 3540C	B5G1403	07/14/2015	07/14/2015 14:47	
<i>Surrogate: TCMX</i>	<i>44.4 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 14:47</i>	L
<i>Surrogate: DCB</i>	<i>47.6 %</i>	<i>50 - 150</i>			B5G1403	07/14/2015	<i>07/14/2015 14:47</i>	L

CET # : 5070239

Project: 22214-5057, Milford

Project Number: 33 Blair, Milford

QUALITY CONTROL SECTION

Batch B5G1403 - EPA 8082A

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B5G1403-BLK1)					Prepared: 7/14/2015 Analyzed: 7/14/2015				
PCB-1016	ND	0.20							
PCB-1221	ND	0.20							
PCB-1232	ND	0.20							
PCB-1242	ND	0.20							
PCB-1248	ND	0.20							
PCB-1254	ND	0.20							
PCB-1260	ND	0.20							
PCB-1268	ND	0.20							
PCB-1262	ND	0.20							
<i>Surrogate: TCMX</i>					68.1	50 - 150			
<i>Surrogate: DCB</i>					92.7	50 - 150			
LCS (B5G1403-BS1)					Prepared: 7/14/2015 Analyzed: 7/14/2015				
PCB-1016	0.831	0.20	1.000		83.1	50 - 150			
PCB-1260	1.09	0.20	1.000		109	50 - 150			
<i>Surrogate: TCMX</i>					63.9	50 - 150			
<i>Surrogate: DCB</i>					89.7	50 - 150			

CET # : 5070239

Project: 22214-5057, Milford

Project Number: 33 Blair, Milford

Batch S5G1501 - EPA 8082A

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Calibration Check (S5G1501-CCV1)					Prepared: 7/14/2015 Analyzed: 7/14/2015				
PCB-1016	903		1,000.000		90.3	80 - 120			
PCB-1260	1010		1,000.000		101	80 - 120			
<i>Surrogate: TCMX</i>					<i>104</i>	<i>50 - 150</i>			
<i>Surrogate: DCB</i>					<i>100</i>	<i>50 - 150</i>			

CET # : 5070239
Project: 22214-5057, Milford
Project Number: 33 Blair, Milford



80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-tarer organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration Batch	An analytical standard analyzed with each set of samples to verify initial calibration of the system. Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected
RL	Reporting Limit
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate Result	Result from the duplicate analysis of a sample.
Spike Level	Amount of analyte found in a sample.
Matrix Spike Result	Amount of analyte added to a sample
Matrix Spike Dup	Amount of analyte found including amount that was spiked.
Matrix Spike % Recovery	Amount of analyte foun in duplicate spikes including amount that was spike.
Matrix Spike Dup % Recovery	% Recovery of spiked amount in sample.
RPD	% Recovery of spiked duplicate amount in sample.
Blank	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
LCS % Recovery	Method Blank that has been taken through all steps of the analysis.
Recovery Limits	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
CC	A range within which specified measurements results must fall to be compliant.
	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903

New York Certification 11982
Rhode Island Certification 199

Complete Environmental Testing, Inc.

80 Lupes Drive, Stratford, CT 06615 • Tel: 203-377-9984 • Fax: 203-377-9952 • www.cetlabs.com

CET # : 5070239

Project: 22214-5057, Milford

Project Number: 33 Blair, Milford

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,



David Ditta
Laboratory Director

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- + - The Surrogate was diluted out.
- *C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- *C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- *F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- *F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at the specified detection limit

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CET # : 5070239
 Project: 22214-5057, Milford
 Project Number: 33 Blair, Milford

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 8082A in Solid</i>	
PCB-1016	CT,NY
PCB-1221	CT,NY
PCB-1232	CT,NY
PCB-1242	CT,NY
PCB-1248	CT,NY
PCB-1254	CT,NY
PCB-1260	CT,NY
PCB-1268	CT
PCB-1262	CT

Complete Environmental Testing operates under the following certifications and accreditations:

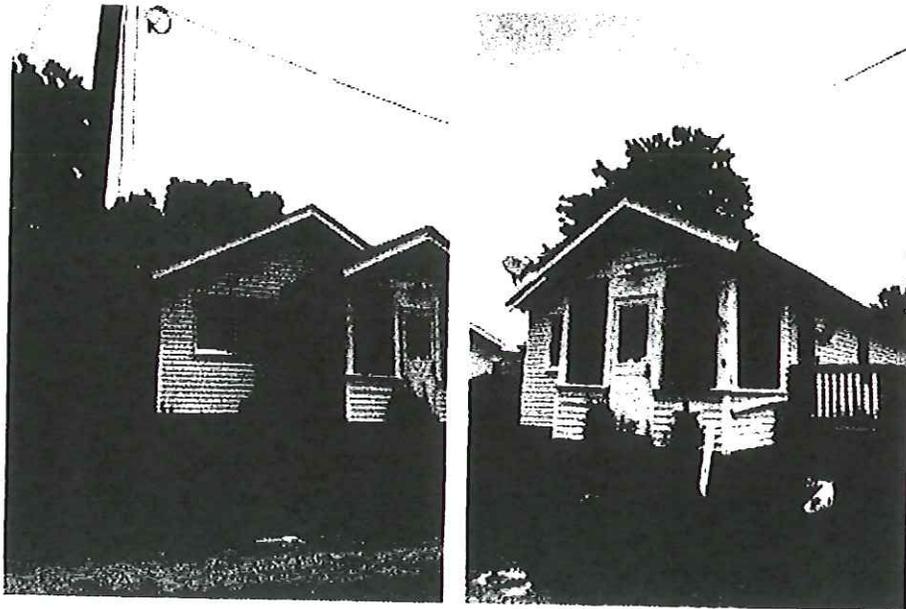
Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2016
NY	New York Certification (NELAC)	11982	04/01/2016

ATTACHMENT D

LEAD REPORT

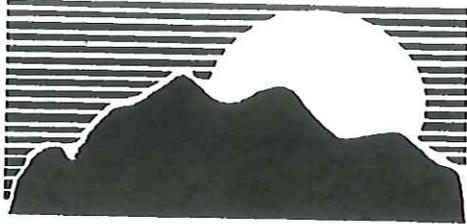
**LEAD BASED PAINT INSPECTION
REPORT OF FINDINGS
OF:**

**33 BLAIR STREET
AKA 36 BLAIR STREET
MILFORD, CONNECTICUT**



**DATE:
JULY 9, 2015**

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



GILBERTCO LEAD INSPECTIONS, LLC

“LEAD BASED PAINT SPECIALIST”

July 9, 2015

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

Re: Lead Based Paint Inspection: 33 Blair Street (aka 36 Blair Street) Milford, CT

Gilbertco Lead Inspections LLC performed a surface by surface XRF inspection for the presence of lead based paint at 33 Blair Street, Milford, Connecticut. The inspection was requested by Facility Support Services in response to a planned demolition of the site by State of Connecticut Department of Housing Community Block Grant Disaster Recovery Program.

The site inspected consists of single family, single story home built about 1940. The house is vinyl sided and has been partially renovated. It was vacant at the time of inspection.

In accordance with the Manufacturers Specifications, the RMD LPA-1 Analyzer was used in the “Quick” assaying mode. 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 mg/cm² are considered positive. Results are arranged floor plan style with the substrate and condition noted. Orientation of rooms places side ‘one’ as street side, with side ‘two’ to the left, side ‘three’ opposite, and wall ‘four’ to the right. Rooms were tested in a clockwise pattern.

In regards to the above mentioned property, *several lead based painted surfaces and lead based paint hazards were identified.* A lead based paint hazard is “any condition that causes lead

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

exposure to lead 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...". (EPA Lead Hazard Reduction Act of 1992- Title X.

Lead contaminated debris, not contaminated with other hazardous materials, is classified either as hazardous waste or non-hazardous waste. The required analytical test to determine which of these classifications is appropriate for a given quality of waste is the Toxicity Characteristic Leaching Procedure or TCLP. *CT State DEP 22a-449, 101 (a) (1)*. The TCLP test simulates a landfill leaching condition and assesses the ability of the sample to leach into the environment. The waste is classified as hazardous waste if the TCLP sample is greater than 5.0 mg/l of lead. The waste is classified as non-hazardous waste if the TCLP sample is less than 5.0 mg/l.

The abatement contractor may collect and assess the waste stream generated from the project. The contractor shall obtain a small quantity hazardous waste generator ID number from the State of CT DEEP for the site if hazardous waste 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
- Worker protection materials- gloves, masks, etc.

Workers must use proper personal protective equipment per the OSHA Lead in Construction Standard (29 CFR 1926.62). Initial exposure assessments must be performed on those performing tasks that disturb building materials which contain any detectable level of lead. Ground covering with 6 mil poly should extend fifteen (15) feet around the perimeter of the building. Signage should be posted to identify this as a lead project and residents, if applicable, should be given written notice. Barriers or restrictive tape should be placed around the building. In addition, misting the renovation /demolition areas with an aqueous solution to minimize airborne distribution of lead dust should be ongoing through the project. After the structure has been removed, a minimum of two inches of soil should be removed from an area 15 feet from the foundation perimeter and replaced with clean fill or soil.

Specific questions regarding hazardous waste issues should be directed to:

State of Connecticut DEEP, Waste Management Bureau, 79 Elm Street. Hartford, CT 06106
1-860-424-3023

Please feel free to call if any questions arise,

Maureen Monaco

Maureen Monaco

Director of Operations

Consultant Contractor #270

Lead Inspector Risk Assessor #1172

Lead Abatement Supervisor #2383

Lead Planner/Project Designer #2152

**CERTIFICATION
LEAD IN PAINT RESULTS**

AGENCY: GILBERTCO LEAD INSPECTIONS LLC
287 MAIN STREET
ANSONIA, CONNECTICUT 06401

PROJECT ADDRESS: 33 BLAIR STREET
AKA 36 BLAIR STREET
MILFORD, CONNECTICUT

PROJECT NUMBER: 070915

TEST DATE: JULY 7, 2015

REQUIREMENTS: CHAPTER 7 HUD GUIDELINES
LEAD INSPECTION- SURFACE BY SURFACE

INSTRUMENTATION: PROTEC RMD LPA-1
FLUOROSCOPE SPECTRUM ANALYZER
(XRF) COBALT 57 SOURCE

REPORT MEDIUM: MG PB/CM2 (MILLIGRAMS OF LEAD
PER SQUARE CENTIMETER)

CALIBRATION: TO MEASURE LEAD K-SHELL EMISSIONS.
FACTORY CALIBRATED WITH HUD APPROVED
REFERENCE STANDARDS. CALIBRATION FIELD
CHECKED HOURLY AS RECOMMENDED BY
MANUFACTURER

OPERATORS CERTIFICATION: LEAD CONSULTANT CONTRACTOR-CC270
LEAD INSPECTOR RISK ASSESSOR- IR 1172
LEAD ABATEMENT SUPERVISOR- 2383
LEAD PLANNER/PROJECT DESIGNER 2152

I hereby certify to the best of my knowledge and capabilities that this report reflects the true lead content of the surfaces tested in this report on this date.

Maurice M. Maw 7/9/2015

33 Blair Street, Milford, Connecticut

July 9, 2015

Reading	Rm #	Room	Side	Component	Condition	Substrate	mg/cm2	Decision
1	999	Calibration					0.9	Okay
2	1	Front Enclose	1	Wall	Defective	Wood	9.9	Positive
3	1	Front Enclose	1	Wall	Defective	Wood	9.9	Positive
4	1	Front Enclose	1	Window Sill	Defective	Wood	9.9	Positive
5	1	Front Enclose	3	Wall	Defective	Wood	-0.1	Negative
6	1	Front Enclose	3	Wall	Defective	Wood	-0.1	Negative
7	1	Front Enclose	3	Floor	Defective	Wood	-0.1	Negative
8	1	Front Enclose	3	Threshold	Defective	Wood	5.3	Positive
9	1	Front Enclose	3	Door	Intact	Metal	0	Negative
10	1	Front Enclose	3	Door Jamb	Intact	Wood	-0.2	Negative
11	2	Living Rm	1	Wall	Intact	Dry wall	-0.1	Negative
12	2	Living Rm	2	Wall	Intact	Dry wall	-0.2	Negative
13	2	Living Rm	2	Window Sash	Intact	Wood	-0.3	Negative
14	2	Living Rm	3	Wall	Intact	Dry wall	-0.1	Negative
15	2	Living Rm	4	Wall	Intact	Dry wall	-0.1	Negative
16	2	Living Rm	4	Window Trim	Intact	Wood	-0.1	Negative
17	3	Kitchen	4	Floor	Defective	Wood	-0.2	Negative
18	3	Kitchen	4	Ceiling	Defective	Dry wall	-0.4	Negative
19	3	Kitchen	4	Wall	Defective	Wood	-0.1	Negative
20	3	Kitchen	4	Wall	Defective	Dry wall	-0.3	Negative
21	4	Dining Rm	3	Floor	Defective	Wood	0.7	Negative
22	4	Dining Rm	3	Floor	Defective	Wood	0.7	Negative
23	4	Dining Rm	2	Wall	Defective	Wood	-0.2	Negative
24	4	Dining Rm	2	Ceiling	Defective	Wood	-0.2	Negative
25	4	Dining Rm	3	Window Sash	Intact	Wood	-0.1	Negative
26	4	Dining Rm	4	Wall	Intact	Dry wall	0	Negative
27	5	Bathroom	1	Wall	Intact	Dry wall	-0.1	Negative
28	5	Bathroom	2	Wall	Intact	Dry wall	-0.1	Negative
29	5	Bathroom	3	Wall	Intact	Dry wall	-0.3	Negative
30	5	Bathroom	4	Wall	Intact	Dry wall	-0.4	Negative
31	5	Bathroom	4	Window Trim	Intact	Wood	-0.2	Negative
32	5	Bathroom	4	Ceiling	Intact	Dry wall	-0.1	Negative
33	6	Bedroom	3	Wall	Intact	Dry wall	-0.1	Negative
34	6	Bedroom	4	Wall	Intact	Dry wall	-0.2	Negative
35	6	Bedroom	2	Wall	Intact	Dry wall	-0.2	Negative
36	6	Bedroom	1	Wall	Intact	Dry wall	-0.5	Negative
37	6	Bedroom	1	Ceiling	Intact	Dry wall	-0.2	Negative
38	6	Bedroom	4	Window Trim	Intact	Wood	-0.1	Negative
39	6	Bedroom	3	Clo Dr Csng	Intact	Wood	-0.1	Negative

33 Blair Street, Milford, Connecticut

July 9, 2015

40	6	Bedroom	3	Closet Wall	Intact	Dry wall	-0.2	Negative
41	6	Bedroom	3	Clo Doof Jamb	Intact	Dry wall	-0.3	Negative
42	7	Exterior	4	Door	Intact	Metal	-0.5	Negative
43	7	Exterior	4	Door Jamb	Intact	Wood	-0.4	Negative
44	7	Exterior	4	Overhang	Intact	Wood	0.5	Negative
45	7	Exterior	4	Wall	Intact		-0.2	Negative
46	7	Exterior	1	Wall	Intact		-0.3	Negative
47	7	Exterior	1	Window Sill	Intact		0	Positive
48	7	Exterior	1	Window Sill	Intact		0	Negative
49	7	Exterior	1	Wall	Intact		0	Negative
50	7	Exterior	1	Wall	Intact		-0.1	Negative
51	7	Exterior	2	Wall	Intact		0.1	Negative
52	7	Exterior	2	Overhang	Defective	Wood	6.8	Positive

Sincerely,
Jewel Mullen
JEWEL MULLEN, MD, MPH, MPA, 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

LEAD ABATEMENT SUPERVISOR

MAUREEN E MONACO

CERTIFICATE NO.
002383
CURRENT THROUGH
08/31/15
VALIDATION NO.
03-928619

Maureen Monaco
SIGNATURE
Jewel Mullen
COMMISSIONER

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

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

LEAD PLANNER/PROJECT DESIGNER

MAUREEN E MONACO

CERTIFICATE NO.
002152
CURRENT THROUGH
08/31/15
VALIDATION NO.
03-928620

Maureen Monaco
SIGNATURE
Jewel Mullen
COMMISSIONER

M.S.#12MQA
Hartford, CT 06134-0308

www.ct.gov/dph/health

Sincerely,
Jewel Mullen
JEWEL MULLEN, MD, MPH, MPA, 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 LICENSED
BY THIS DEPARTMENT AS A

LEAD CONSULTANT CONTRACTOR

GILBERTCO LEAD INSPECTIONS LLC

LICENSE NO.
000270
CURRENT THROUGH
07/31/15
VALIDATION NO.
03-927597

Maureen Monaco
SIGNATURE
Jewel Mullen
COMMISSIONER

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

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

LEAD INSPECTOR RISK ASSESSOR

MAUREEN E. MONACO

CERTIFICATE NO.
001172
CURRENT THROUGH
08/31/15
VALIDATION NO.
03-928618

Maureen Monaco
SIGNATURE
Jewel Mullen
COMMISSIONER

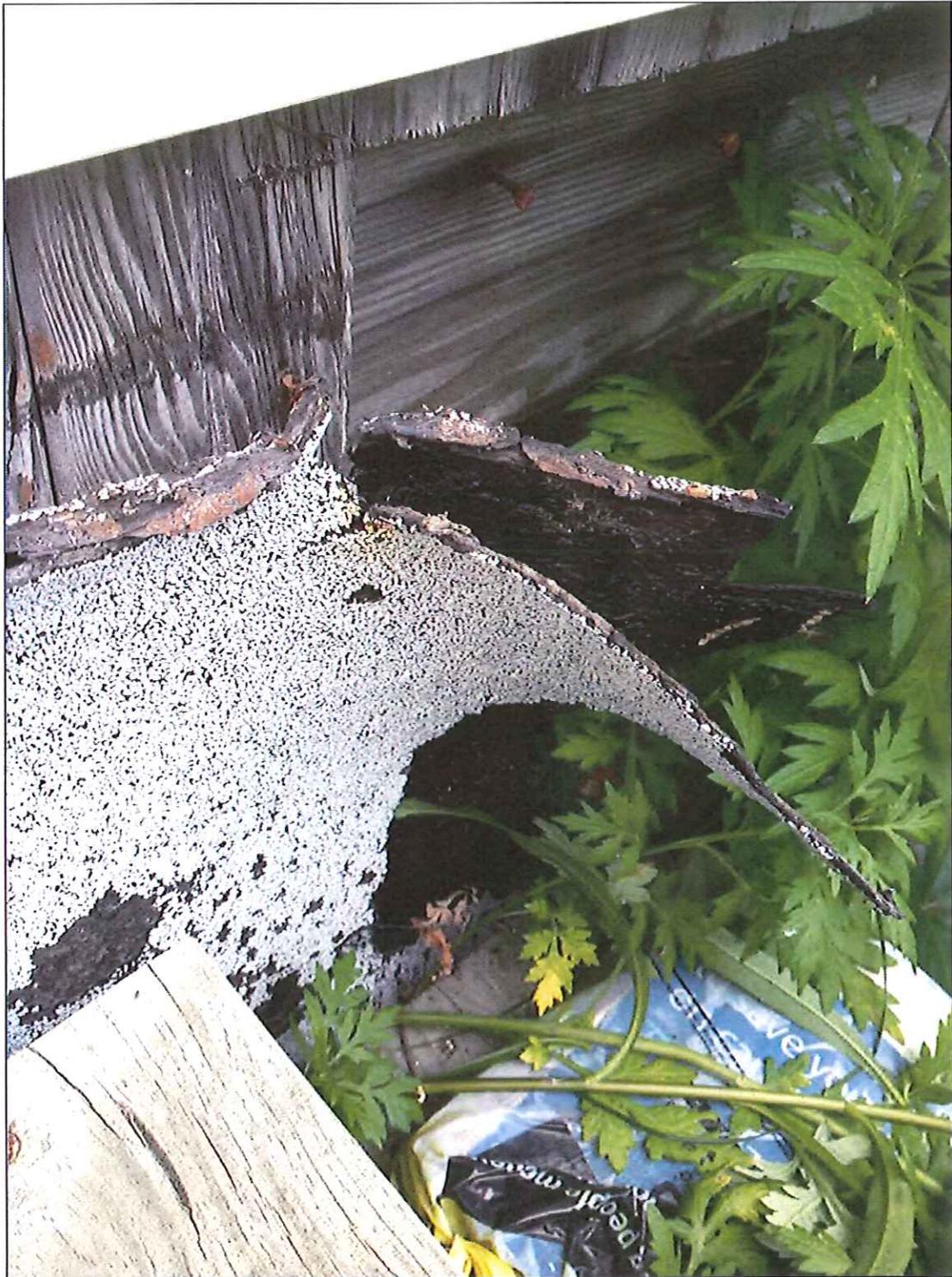
**ATTACHMENT E
PHOTOGRAPHS**



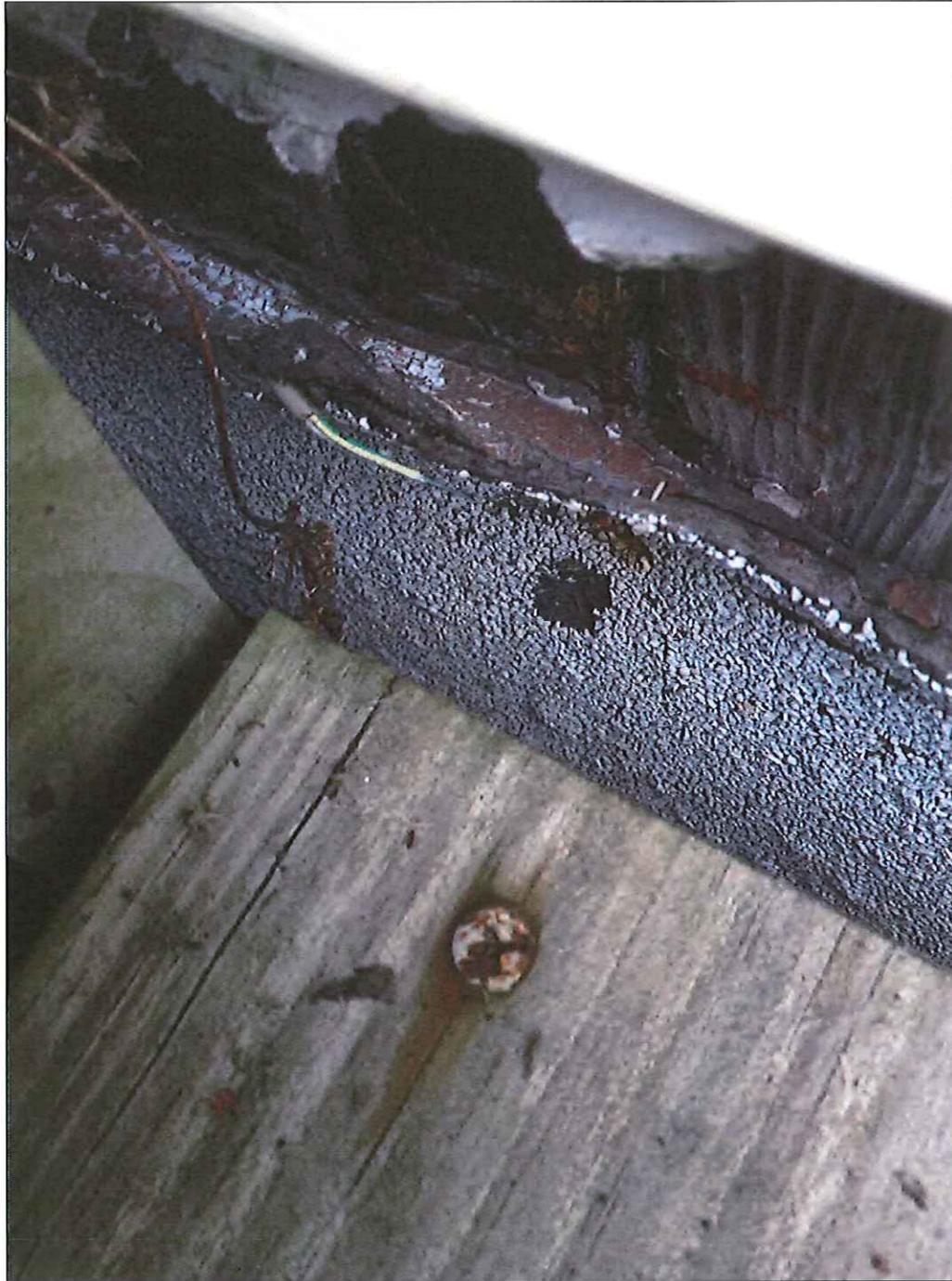
Living room floor near waste barrels – scrap linoleum pile



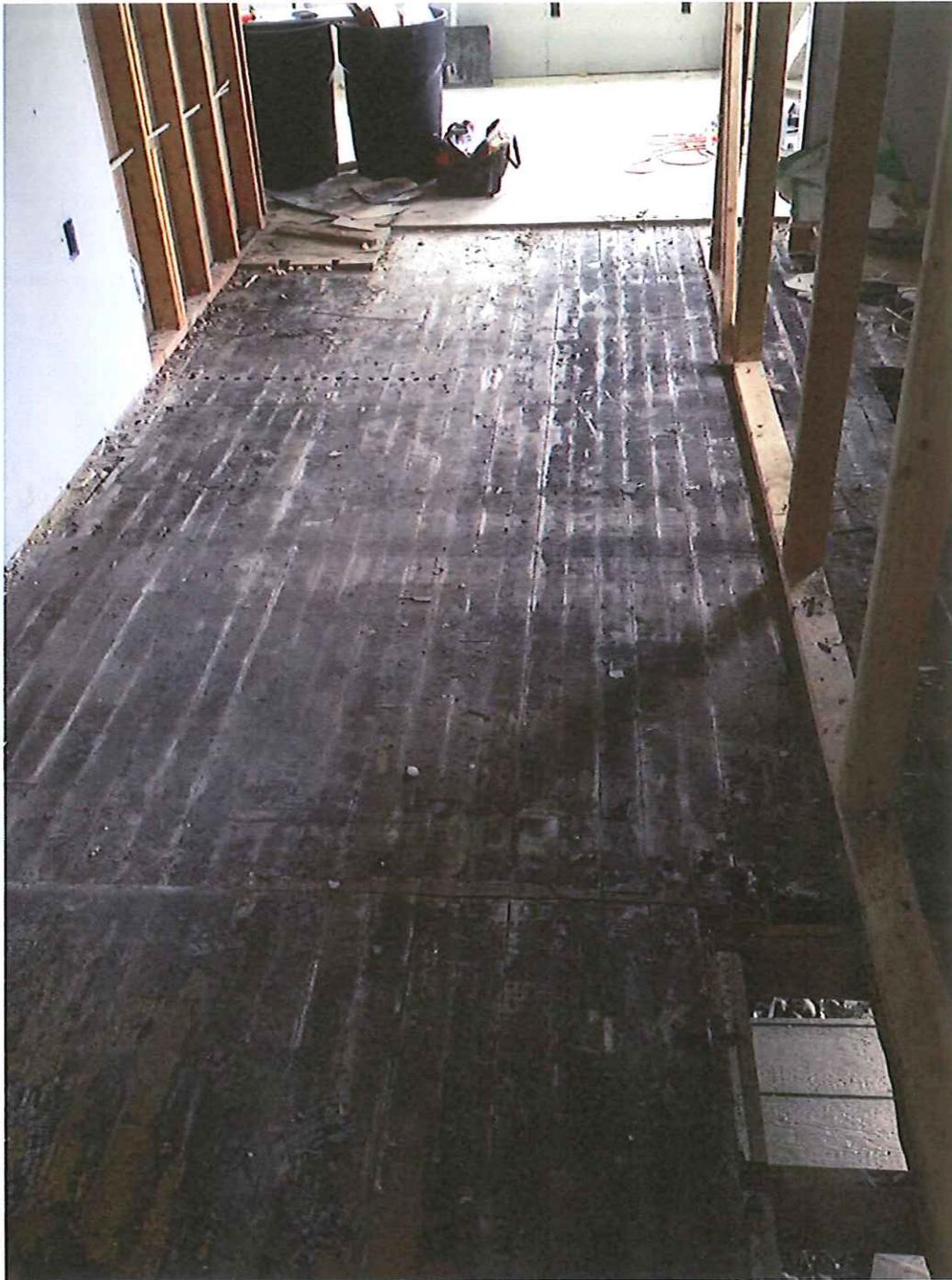
Hall in front of bathroom – scrap floor tile (vinyl)



**Exterior between stair case and house – rolled roofing used as siding (bottom layer)
(All Black Layer)**



Exterior between staircase and house – a bead of tar sealer (to seal two layers of rolled roofing together)
(Reddish tinted material only on perimeter of the sheets)



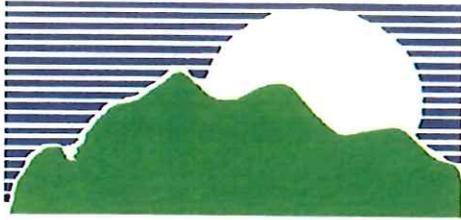
PCB-04 (Tar paper on kitchen floor)

Also located on washer/dryer room floor and in hallway in front of the bathroom and bedroom with a closet.



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 TCLP Testing Results



GILBERTCO LEAD INSPECTIONS, LLC

“LEAD BASED PAINT SPECIALIST”

May 11, 2017

Matt Ranando
Martinez Couch and Associates
1084 Cromwell Ave., Suite 2
Rocky Hill, Connecticut 06067

RE: 36 Blair Street, Milford, Connecticut (aka 33 Blair Street, Milford)

Gilbertco Lead Inspections LLC was asked to do an assessment for lead based paint and to advise of proper disposal method. The site inspected consisted of a single family summer home scheduled for demolition. Constructed dates to about 1940. The site has undergone some renovations through the years including partial interior wall replacement, window upgrading, and vinyl siding.

Lead contaminated debris, not contaminated with other hazardous material, is classified either as hazardous waste or nonhazardous solid waste. The required analytical test to determine which of these classifications is appropriate for a given quantity of waste is the Toxicity Characteristic Leaching Procedure or TCLP. (CT State DEEP 22a-449). The TCLP test simulates landfill leaching conditions and assesses the ability of the sample to leach into the environment. The waste is classified as hazardous waste if the TCLP sample is greater than 5.0 mg/l of lead. The waste is classified as non-hazardous waste if the TCLP sample result is less than 5.0 mg/l.

The “Composite-Sample and Demolish” method was utilized as described in **“Guidance for the Management and Disposal of Lead-Contaminated Materials Generated in the Lead Abatement, Renovation, and Demolition Industries”** issued by the CT DEEP in 1994 – updated 2007.

This method utilizes composite samples to assess the lead content of the entire quantity of debris to be removed. First, the different building components to be removed (e.g. foundation, structural, siding, roofing, drywall, trim, windows, doors, insulation) are identified. Then, aliquots or "sub-samples" are collected of each of these components using a power drill, or by removing portions of each building component. These aliquots must be carefully selected to ensure that the resulting composite sample will be truly representative of all of the material being removed. The aliquots

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

are then mixed together in proportion to their percent by weight in the total quantity of debris being removed. The resulting weight of this composite sample is not important, except that it must equal or exceed the 100-gram minimum sample weight specified for the TCLP test. The composite sample is then sent for TCLP analysis. This composite sample, if taken and mixed properly, should be representative of the whole structure.

An XRF inspection was conducted and showed lead based paint above the actionable level on several components. Therefore workers must use personal protective equipment per the OSHA Lead in Construction Standard (29 CFR 1926.62). Initial lead exposure assessments must be performed on those performing tasks that disturb building materials which contain and detectable level of lead. Signage should be posted to identify this as a lead project and residents (or employees) should be given written notice. Barriers or restrictive tape should be placed around the renovation areas. In addition, misting the renovation/demolition areas with an aqueous solution to minimize airborne distribution of lead dust should be ongoing throughout the project.

A representative allotment of the exterior clapboard was composited, and sent to laboratory for analysis. The analysis showed the components to have a TCLP of 4.01 mg/l and therefore is classified as non-hazardous waste.

Any questions regarding hazardous waste should be directed to:

State of CT- Dept of Energy and Environment- Waste Management Bureau, 79 Elm Street, Hartford, CT 06106 1-860-424-3023

Lead Safe work practices and worker/occupant protection practices complying with current EPA, HUD, and OSHA standards will be necessary to safely complete all work involving the disturbance of LBP coated surfaces and components. This includes sealing off windows, doors, fans, and vents on the exterior of the building with impermeable plastic to avoid any lead dust contamination from entering the building. Clapboard should be misted with a water solution with a surfactant such as Dawn dish detergent prior to removal to minimize dust. Appropriate ground covering should include impermeable plastic or 6 mil poly with suitable water recovery system as needed. It should be noted that all lead hazard control activities have the potential of creating additional hazards or hazards that were not present before.

Details for lead hazard control options and issues surrounding occupant/worker protection practices can be found in the publication entitled: Guidelines for the Evaluation and Control of LBP Hazards in Housing published by HUD. The EPA lead based paint regulations and OSHA regulations found in its Lead in Construction Industry Standard. Properly trained and/or licensed persons, as well as properly licensed firms (as mandated) should accomplish all interim or abatement activities at this site.

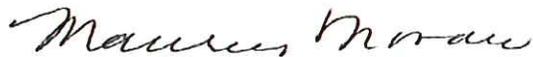
Interim controls, as defined by HUD, means a set of measures designed to temporarily reduce human exposure to LBP hazards and/or lead containing materials. These activities include but not

limited to : component and substrate repairs, paint and varnish repairs, the removal of lead dust hazards, renovation, remodeling, maintenance, temporary containment, placement of seed, sod, or mulch material over impervious material, laid on top of bare soil areas, the tilling of bare soil areas, extensive and specialized cleaning, and ongoing LBP maintenance activities.

EPA's RRP rule sets up requirements for firms and individuals performing renovations, repair, and painting workers, plumbers, electricians, HVAC professionals, etc. working on this project must be EPA certified and trained in lead safe practices when activities disturb more than 6 square feet of painted surfaces in the interior of a room or more than 20 square feet on the exterior of a building or window replacement activities.

Work that disturbs surfaces that contain Lead Based Paint or any detectable amount of lead such as the case for the is renovation must be done according to OSHA regulation 1926.62. Employers must conduct air sampling on workers disturbing lead to establish exposure levels to lead for these workers. The recorded levels are then compared to two different airborne concentrations in the OSHA standard. The action level (AL) and the permissible exposure limit (PEL) . Currently the AL is set at 30 Micrograms of lead per cubic meter of air (mg/m³) and the PEL is 50 mg/m³. At a minimum , the following is required for air samples results below the action level: training of employees, conduct exposure monitoring, and maintain records.

Please feel free to call if any questions arise,



Maureen Monaco
Consultant Contractor #270
Lead Inspector Risk Assessor #1172
Lead Abatement Supervisor #2383
Lead Planner/ Project Designer # 2152



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Gilbertco Lead Inspections LLC (3813)
Address: 287 Main Street
Ansonia, CT 06401

Order #: 213999

Attn:
Project: MCA
Location: Blair
Number: 3336

Matrix: TCLP
Received: 05/17/17
Reported: 05/19/17

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
213999-001	3336	TCLP Of Entire Building					
Metals Analysis							
Lead		EPA 7000B / 1311	4.01	0.200	mg/L	05/18/17	OHE
Matrix Spike failed due to interference							
213999-05/19/17 09:24 AM							

Abisola O Kasali

Reviewed By: Abisola Kasali
Metals Supervisor

EPA TCLP Regulatory Limits

Parameter	Reg. Limit	Unit
Lead	5.00	mg/L

State Certifications

Method	Parameter	Connecticut	Virginia
EPA 7000B	Lead	ELAP Certified	VELAP Certified
State	Certificate Number		
Connecticut	ELAP PH-0118		
Virginia	VELAP 9017		

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



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 13D Documentation – Asbestos Abatement Specifications



2685 State Street
Hamden, CT 06517
Phone: (203) 288-1281
Fax: (203) 248-4409

June 9, 2017

FSS PN: 22214

Martinez Couch & Associates, LLC
Attn: Mr. Matthew Ranando
1084 Cromwell Ave. Suite A-2
Rocky Hill, CT 06067

**RE: Abatement Specifications Rev 1.
Applicant #5057
33 Blair Street
Milford, Connecticut 06460**

Dear Mr. Ranando:

Enclosed please find the enclosed Specifications/Workplans for Asbestos and PCB Abatement to support the removal of asbestos containing materials from the 33 Blair Street residence. These specifications were designed by utilizing the "Hazardous Materials Inspection Report: Applicant No. 5057" prepared by Facility Support Services, LLC of Hamden, Connecticut and dated August 2015.

If you have any questions regarding these Specifications, please contact the undersigned at our Hamden, CT office at (203) 288-1281. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Facility Support Services, LLC (FSS)

A handwritten signature in black ink, appearing to read "Michael DiFabio", written over a light blue horizontal line.

Michael DiFabio
CTDPH Project Designer #000329

Enclosure:

Asbestos Abatement Specification
PCB (<50 ppm) Containing Materials Removal/Disposal Work Plan
Existing Floor Plan

ASBESTOS ABATEMENT SPECIFICATIONS

**33 BLAIR STREET
MILFORD, CONNECTICUT 06460**

APPLICANT NO. 5057

Prepared For:

**Martinez Couch & Associates, LLC
1084 Cromwell Avenue
Suite A-2
Rocky Hill, Connecticut 06067**

Prepared By:



**2685 State Street
Hamden, Connecticut 06517**

A handwritten signature in black ink, appearing to read "Michael DiFabio", is positioned above a horizontal line.

**Michael DiFabio
CTDPH Project Designer #000329**

**May 17, 2017
Revised 6/9/2017**

TABLE OF CONTENTS

TECHNICAL SPECIFICATION

Division I	Section 01010	General Requirements
	Section 01016	Scheduling and Phasing
	Section 01026	Unit Prices
	Section 01700	Contract Closeout
Division II	Section 02075	Selective Demolition
	Section 02080	Asbestos Abatement

PART 1 - GENERAL**1.1 SECTION INCLUDES**

- A. Contractor Qualifications.
- B. Contractor Use of Site and Premises.
- C. Work Sequence.
- D. Owner's Operations.
- E. Closeout and Punch List.
- F. Cleaning.
- G. Emergency Calls

1.2 CONTRACTOR QUALIFICATIONS

- A. The Contractor selected must appear on the approved list of Asbestos Abatement Contractors on file at the State of Connecticut Department of Public Health (CTDPH). Only State of Connecticut licensed asbestos abatement supervisors and workers shall perform asbestos abatement work activities.
- B. The Contractor shall obtain and pay for all required permits, and prepare and file any original and amended local forms immediately following award of the work.
- C. The Contractor shall conduct personal exposure air monitoring for airborne fibers as prescribed by OSHA during the project performance.
- D. The Owner reserves the right to award this Contract to the Contractor who best meets all contractor qualifications and Owner's interests.

1.3 CONTRACTORS USE OF SITE AND PREMISES

- A. Limit use of site and premises as follows:
 - 1. Owner occupancy.
 - 2. Work by Owner.
 - 3. Use of site and premises by public.
- B. Coordinate use of the premises, including use of utilities under direction of Owner and in accordance with local ordinances.

- C. Assume full responsibility for protection and safekeeping of products under this Contract.

1.4 WORK SEQUENCE

- A. Work must be performed to accommodate Owner's requirements and work by other trades. Coordinate abatement schedule and operations with the Owner and Consultant. Re-occupancy by owner and other trades shall occur following completion of work by the Contractor and successful air clearance sampling by the Consultant.
- B. The Owner will not occupy the building during the Work.

1.5 CONTRACTOR'S OPERATIONS

- A. Maintain means of egress.
- B. Coordinate Work with the Owner.
- C. Maintain the fire alarm and fire detection systems at all times during project.
- D. Maintain a permanent means of egress during activities. Provide and maintain a temporary means of egress as required by the Fire Marshall.

1.6 CLOSEOUT AND PUNCH LIST

- A. The Contractor shall carefully check his/her own work and that of any Subcontractor as the work is being performed. Unsatisfactory work shall be corrected immediately.
- B. When the Contractor determines that he is substantially complete, that is, has less than one percent of his Contract remaining to be completed, he shall prepare for submission to the Consultant, a list of items to be completed or corrected. The failure to include any items on such list does not alter the responsibility of the Contractor to complete all work in accordance with the Contract Documents.
- C. Upon receipt of the Contractor's list of items to be completed or corrected, the Consultant will promptly make a thorough inspection and prepare a "punch list" setting forth in accurate detail any items on the Contractor's list and any additional items that are not acceptable.
- D. When the "punch list" has been prepared, the Consultant will arrange a meeting with the Contractor to identify and explain all punch list items and answer questions on the work that must be completed before final acceptance.

- E. The Contractor shall correct all “punch list” items or shall cause the correction of the “punch list” items within a time frame to be established when the “punch list” is made. The time frame for the completion of the “punch list” shall not exceed the completion date of the Contract. Should the “punch list” not be completed within the specified time frame, the Owner may invoke the rights given under the General Conditions.
- F. The Consultant shall not be expected to inspect any area more than once for the preparation of the “punch list” items. If, during an inspection, the Consultant discovers five (5) or more deficient conditions, then the area shall be declared “Not Ready” for Inspection.
- G. All inspections and sampling required for asbestos abatement compliance will be performed by the Consultant.

1.7 CLEANING

- A. Throughout the abatement period, the Contractor shall maintain the building and site free of rubbish, debris, surplus materials, and other items not required for the Work. Remove such materials from the site daily to prevent accumulations. Remove all construction debris from work areas, and remove all hazardous waste and asbestos waste as required by the most current federal, state, and local regulations and the requirements of the specifications.

1.8 EMERGENCY CALLS

- A. The Contractor shall provide the Owner with a telephone number where the Contractor or Contractor's Representative can be reached during non-working hours.
- B. At the direction of a duly authorized representative of the Owner, the Contractor may be required to dispatch all necessary personnel and equipment to any point on the work site to clear obstructions or make safe any conditions deemed necessary by the Owner or Consultant.

1.9 ADDITIONAL GENERAL REQUIREMENTS

- A. The Abatement Contractor shall employ an English-speaking competent Asbestos Abatement Supervisor with at least three (3) years experience on projects of similar scope and magnitude who shall be responsible for all work involving asbestos abatement as described in the Specifications and defined in the applicable regulations, and have full-time daily supervision of the same. The Supervisor shall be the "Competent Person" as defined by OSHA regulations. The Contractor shall provide, on-site, at least one English-speaking foreman at all times when work is in progress. The supervisor and foreman must be thoroughly experienced in asbestos-containing materials removal work, knowledgeable of all applicable federal, state, and local regulations and capable of skillfully executing all work promptly, efficiently and in compliance with all requirements of these specifications. The Owner reserves the right to have any supervisory or foreman personnel removed from the project if they do not demonstrate the requisite qualifications.
- B. The Contractor shall allow work performed under this contract to be inspected, if required, by local, state, federal, and any other authorities having jurisdiction over such work. The Contractor shall immediately notify the Owner and shall maintain written evidence of such inspection for review by the Owner.
- C. The Contractor shall incur the cost of all fines resulting from regulatory non-compliance as issued by federal, state, and local agencies. The Contractor shall incur the cost of all work requirements mandated by federal, state, and local agencies as a result of regulatory non-compliance or negligence.
- D. The Contractor shall immediately notify the Owner of the delivery of all permits, licenses, certificates of inspection, approval or occupancy, etc., and any other such instruments required under codes by authorities having jurisdiction, regardless of to who issued, and shall cause them to be displayed to the Owner and Consultant for verification and recording.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

NOT USED

END OF SECTION

PART 1 - GENERAL**1.1 GENERAL REQUIREMENTS**

- A. The Contractor shall present a working schedule to the Owner. Variations, amendments, and corrections to the schedule will be discussed, and the Owner will inform the Contractor of additions or changes in the scheduling requirements for the project.
- B. The Contractor shall submit any revised schedule no later than three days following initial schedule submission. Upon approval from the Owner, the Contractor will receive a "Notice to Proceed" with the work of the Contract.
- C. Any subsequent changes in the work schedule must be approved by the Owner.
- D. Refer to all other applicable sections of the specification for coordination with other trades. The Contractor shall coordinate work with all other activities at this occupied site.

1.2 TIME FOR COMPLETION AND WORKING HOURS

- A. Upon award of contract from the Owner, the Contractor shall immediately order materials, supplies, and components for the work of this project.
- B. The Contractor shall begin the work immediately upon receipt of the written "Notice to Proceed" from the Owner. The date of the commencement of the work is termed the "Abatement Start Date." The Contractor will be required to complete all work of this Contract within the time period stipulated in the finalized schedule. The last day in the schedule is termed as "Contract Completion Date".
- C. If conditions arise that are beyond the control of the Contractor and force delays in the performance of the Work, the Owner shall immediately be notified. The Contractor shall state the reason for the delay and shall estimate the expected duration of the delay. Any application for an extension of the Contract completion date shall be made under proper change order procedures. The acceptance of the cause for delay and change order is subject to the Owner's review and approval.
- D. Work hours will be established in coordination with the Owner.
- E. Any extra hours or days per week worked by the Contractor or Sub-Contractors shall be at no extra cost to the Owner. Denial of extra hours or days per week by the Owner shall not be grounds for extra time allotted to the overall Contract time.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

NOT USED

END OF SECTION

PART 1 – GENERAL

1.1 SUMMARY

- A. A unit price is an amount proposed by the Contractor and stated on the proposal as a price per unit of measurement for materials or services that will be added to or deducted from the Contract Sum by Change Order in the event the project Scope of Work is altered.

- B. Unit prices include material, any direct or indirect expenses of the Contractor or Sub-Contractor, profit, insurance, bonding, and any applicable taxes. The same unit price shall apply whether the work is added or deducted.

PART 2 – PRODUCTS

NOT USED

PART 3 – EXECUTION

NOT USED

END OF SECTION

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. General Provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 FINAL CLEANING

- A. Unless otherwise specified under Sections of this Specification, the Contractor shall perform final cleaning operations specified prior to final inspection.
- B. Maintain the project site free from accumulations of waste, debris and rubbish caused by operations. At the completion of the work, remove waste materials, rubbish, tools, equipment, machinery and surplus materials, and clean all sight-exposed surfaces; leave the project clean and ready for work of others under separate contract.
- C. Cleaning shall include all surfaces, interior and exterior, in which the Contractor has had access.
- D. Use only those materials that will not create hazards to health or property.

1.3 ABATEMENT CLOSEOUT DOCUMENTS

- A. Submit to Martinez Couch & Associates, LLC, final completed copies of the Waste Shipment Records, signed by all transporters and the designated disposal site owner/operator.
- B. Submit to Martinez Couch & Associates, LLC, copies of all notifications & permits and all worker certifications (certificates, training, medical, and fit-test).
- C. The Contractor must be able to provide Certified Payroll documentation to Martinez Couch & Associates, LLC, or its Representative or Project Auditors upon formal request.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

NOT USED

END OF SECTION

DIVISION II
SPECIAL CONDITIONS

FOREWORD

Supplementing Division I of the Specifications for the work to be performed under this Contract, DIVISION II, SPECIAL CONDITIONS, shall apply particularly to this Contract.

The enforcement of the requirements of any of the Special Conditions shall not be construed as waiving any of the rights of the Owner, contained in any of the other provisions of the Contract.

The Contract documents, including without limitation, these Special Conditions, shall be interpreted and construed as far as is reasonably possible to be in addition to, supplementary to and consistent with each other.

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide selective demolition as necessary and/or directed to remove existing flooring.

1.2 PROJECT CONDITIONS

A. Occupancy:

- 1. Areas of the building in which selective demolition will occur will be unoccupied during work.

B. Existing Conditions:

- 1. After the project has begun, the Contractor is responsible for the condition of the structures to be selectively demolished.
- 2. Unforeseen Conditions: Should unforeseen conditions be encountered that affect design or function of project, investigate and fully submit an accurate, detailed, written report to the office of the Owner. While awaiting a response, reschedule operations if necessary to avoid delay of the overall project.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that utilities have been disconnected and sealed. (Where applicable).
- B. As practicable, arrange operations to reveal unknown or concealed conditions for examination and verification before removal or demolition.
- C. Verify actual conditions to determine, in advance, whether removal or demolition of any element will result in structural deficiency, overloading, failure, or unplanned collapse.

3.2 PREPARATION

A. Traffic:

1. Do not obstruct walks or public ways without the written permission of governing authorities and of the Owner. Where routes are permitted to be closed, provide alternate routes, if required.

B. Protection:

1. Provide for the protection of persons passing around or through the area of demolition.
2. Perform demolition so as to prevent damage to adjacent improvements and facilities to remain.
3. Protect walls, floors, and other new or existing work from damage during demolition operations.

3.3 POLLUTION CONTROLS

- A. Control as much as practicable the spread of dust and dirt.
- B. Observe environmental regulations.
- C. Do not allow water usage that may result in freezing or flooding.
- D. Do not allow adjacent improvements to remain to become soiled by demolition operations.

3.4 DEMOLITION - GENERAL

Not Applicable.

3.5 DISPOSAL OF NON-CONTAMINATED MATERIALS

- A. Promptly dispose of materials resulting from demolition operations. Non-contaminated material shall be disposed of as general waste or recycled as applicable. Do not allow materials to accumulate on site.
- B. All rubbish and waste material from the Work shall be neatly stacked or kept in suitable containers and removed from the premises daily. The premises shall be kept clean and in an orderly condition at all times to the satisfaction of the Owner.
- C. Transport materials resulting from demolition operations and legally dispose of off-site.

- D. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.

3.6 CLEANING

- A. Throughout the construction period, the Contractor shall maintain the building and site free of rubbish, debris, surplus materials, and other items not required for the Work. Remove such material from the site daily to prevent accumulations. Remove all construction debris from work areas, and remove all hazardous waste and asbestos waste, as required, by the most current federal, state, and local regulations and the requirements of the specifications.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. General Provisions of Contract, including Supplementary Conditions and other Division 1 Sections, apply to this Section.
- B. Refer to other Sections of these Specifications to determine the type and extent of work therein affecting the work of this Section, whether or not such work is specifically mentioned herein.

1.2 SCOPE OF WORK

- A. Work outlined in this section includes all that is necessary for the complete removal and disposal of asbestos-containing materials (ACMs) identified in the areas as detailed below for 33 Blair Street in Milford, CT. The Contractor is responsible for verification of all quantities of ACM scheduled for removal. This verification shall include an on-site walk-through inspection of the work area. The project is detailed in the following table.

TABLE 1: LIST OF ACMs

MATERIAL	LOCATION	ESTIMATED QUANTITY
Residual Dust and Debris	Entire Interior of Structure	~1,050 square feet
Flooring and Flooring Debris	Scattered within Structure (Existing Floor Tile in Hall)	~ 30 square feet
"Rolled Roofing" Siding and Tar	Exterior Between Side Stairs to Living Room and House	~20 square feet
Vent Flashing Roof Tar	Exterior Bathroom Vents Above Front Bedroom and Bathroom	~6 linear feet

Note: Exact amounts will be determined by the contractor prior to pricing.

1.3 DEFINITIONS

The following definitions relative to asbestos abatement apply:

1. ABATEMENT - Procedures to control fiber releases from asbestos-containing materials; includes removal, encapsulation, and enclosure.
2. AIR MONITORING - The process of measuring the airborne fiber concentration within an area or within a person's breathing zone.
3. AMENDED WATER - Water to which a surfactant has been added.
4. ASBESTOS - The name given to a number of naturally occurring fibrous silicates. This includes the serpentine forms and the amphiboles and includes chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite, or any of these forms, which have been chemically altered.
5. ASBESTOS PROJECT MONITOR (APM) - A professional capable of conducting air monitoring and analysis of samples for airborne fiber concentrations. This individual should be an industrial hygienist, an environmental scientist, or an engineer with experience in asbestos air monitoring and worker protection equipment and procedures. This individual should have demonstrated proficiency in conducting air sample collection in accordance with 29 CFR 1910.1001 and 29 CFR 1926.1101.
6. ASBESTOS WORK AREA - A regulated area as defined by OSHA 29 CFR 1926.1101 where asbestos abatement operations are performed which is isolated by physical barriers to prevent the spread of asbestos dust, fibers, or debris. The regulated area shall comply with requirements of regulated area for demarcation, access, respirators, prohibited activities, competent persons and exposure assessments and monitoring.
7. ASBESTOS FIBERS - Those asbestos particles with a length greater than five (5) microns and a length to diameter ratio of 3:1 or greater.
8. CLEAN ROOM - An uncontaminated area or room, which is a part of the worker decontamination enclosure with provisions for storage of workers' street clothes and protective equipment.
9. CLEARANCE SAMPLING - Final air sampling performed aggressively after the completion of the abatement project in a regulated area. Clearance sampling can be conducted by either of the following two methods:

- (A) Air samples collected by the air sampling professional having a fiber concentration of less than 0.01 fibers/cc of air in each of five (5) samples collected inside the containment will denote acceptable clearance sampling by Phase Contrast Microscopy (PCM).
- (B) Five air samples collected inside the containment by the air sampling professional having an average asbestos concentration of less than 70 structures per square millimeter of air will denote acceptable clearance sampling for Transmission Electron Microscopy (TEM).
10. COMPETENT PERSON - As defined by 29 CFR 1926.1101, a representative of the Abatement Contractor who is capable of identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy for asbestos exposure. In addition has authority to take prompt corrective measures to eliminate such hazards during asbestos removal. Competent person shall be properly trained in accordance with Environmental Protection Agency's (EPA) Model Accreditation Plan.
11. CURTAINED DOORWAY - A device to allow ingress and egress from one area to another while permitting minimal air movement between the areas. Two curtained doorways spaced a minimum of six feet apart can form an airlock.
12. DECONTAMINATION ENCLOSURE SYSTEM - A series of connected areas, with curtained doorways between any two adjacent areas, for the decontamination of workers and equipment. A decontamination enclosure system always contains at least one airlock and is adjacent and connected to the regulated area, where possible.
13. ENCAPSULANT - A liquid material which can be applied to asbestos-containing materials which controls the possible release of asbestos fibers from the materials either by creating a membrane over the surface (bridging encapsulant) or penetrating the material and binding its components together (penetrating encapsulant).
14. EQUIPMENT ROOM - Any contaminated area or a room that is part of the worker decontamination enclosure with provisions for storage of contaminated clothing and equipment.
15. FIXED OBJECT - Unit of equipment or furniture in the work areas that cannot be removed from the work area.
16. FRIABLE ASBESTOS MATERIALS - Any material that contains more than 1% asbestos by weight, that can be crumbled, pulverized or reduced to powder by hand pressure.
17. GLOVE BAG - A manufactured polyethylene bag type of enclosure with built-in gloves such as is placed with an airtight seal around asbestos-containing material and which permits the asbestos-containing materials contained by the bag to be removed

without releasing asbestos fibers to the atmosphere. The use of glove bag is permitted for removal and repair of small amount (less than 3 linear feet/3 square feet) of ACM.

18. HEPA FILTER - High Efficiency Particulate Air (HEPA) filter in compliance with ANSI Z9.2-1979.
19. HEPA VACUUM EQUIPMENT - Vacuum equipment equipped with a HEPA filter system for filtering the effluent air from the unit.
20. MOVABLE OBJECT - Unit of equipment or furniture in the work area that can be removed from the work area.
21. NEGATIVE AIR PRESSURE EQUIPMENT - A portable local exhaust ventilation system equipped with HEPA filtration used to create negative pressure in a regulated area (negative with respect to adjacent unregulated areas) and capable of maintaining a constant, low velocity air flow into regulated areas from adjacent unregulated areas.
22. NESHAPS - National Emissions Standard for Hazardous Air Pollutants regulations enforced by the EPA.
23. PERMISSIBLE EXPOSURE LEVEL (PEL) - The average airborne concentration of asbestos fibers to which an employee is allowed to be exposed over an eight-hour period. The PEL established by OSHA 29 CFR 1926.1101 is 0.1 fibers per cubic centimeter of air averaged over an eight-hour time period. An airborne fiber concentration of 1.0 fibers /cc averaged over a sampling period of 30 minutes is the Excursion Limit. The Contractor is responsible for maintaining work areas in a manner that this standard is not exceeded.
24. REGULATED AREA - An area established by the employer to demarcate where Class I, II, and III asbestos work is conducted and any adjoining area where debris and waste from such asbestos work accumulate, and a work area within which airborne concentrations of asbestos fibers may exceed the PEL.
25. SHOWER ROOM - A room between the clean room and the equipment room in the work decontamination enclosure with hot and cold running water and suitably arranged for employee showering during decontamination. The shower room is located in an airlock between the contaminated area and the clean area.

1.4 SUBMITTALS

- A. The Contractor shall submit the following to the Owner prior to the start of the project:
1. Evidence that the Contractor is certified to perform asbestos abatement work in the State of Connecticut.
 2. Schedule to the Owner, which defines a timetable for executing and completing the project, including set-up, removal, cleanup, decontamination, and air clearance monitoring.
 3. The identity and licensing of the hauling contractor and the landfill to be used.
 4. Connecticut certificates of licensure (current) and training (both initial and current refresher), current respirator fit test records, and current medical records for each employee who may be on the project site. No individual shall provide services as an asbestos abatement site supervisor or as an asbestos abatement worker without a license to do so issued by the CTDPH.
 5. Signed copy of the Certificate of Workers Acknowledgment found at the end of this section for each worker who is to be at job site.
 6. Detailed product information on all materials and equipment proposed for asbestos abatement work on this project.
- B. The following shall be available onsite during the work:
1. Training, State certification, respirator fit test, and medical records for employees to start work.
- C. The following shall be submitted to the Owner (Martinez Couch & Associates, LLC) at the completion of work:
1. Completed Punch List.
 2. Completed copies of Waste Shipment Records (WSR).

1.5 REGULATIONS AND STANDARDS

- A. The Contractor shall be solely responsible for conducting this project and supervising all work in a manner which will be in conformance with all federal, state, and local regulations and guidelines pertaining to asbestos abatement. Specifically, the Contractor shall comply with the requirements of the following:

1. U.S. Environmental Protection Agency (USEPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP) Regulations (40 CFR 61, Subpart M);
2. Occupational Safety and Health Administration (OSHA) Asbestos Regulations (29 CFR 1910.1001 and 1926.1101);
3. State of Connecticut Department of Public Health (CTDPH) Standards for Asbestos Abatement Sections 19a-332a-1 through 19a-332a-16 inclusive and Sections 20-440-1 through 20-440-9 inclusive;
4. State of Connecticut Department of Energy & Environmental Protection (CTDEEP) Regulations, Section 22a-209-8(i) and Section 22a-220 of the Connecticut General Statute.
5. Connecticut Basic Building Code (BOCA)
6. National Fire Protection Association (NFPA) Life Safety Code;
7. Local health and safety codes, ordinances or regulations pertaining to asbestos abatement and all national codes and standards including Association for Standards of Testing and Materials (ASTM), American National Standards Institute (ANSI), and Underwriters Laboratories (UL).
8. Occupational Safety and Health Administration (OSHA) (29 CFR 1910 Subpart D) and (29 CFR 1926 Subpart M) Fall Protection.

1.6 EXEMPTIONS

- A. Any deviations from these Specifications require the written approval and authorization from the Owner and Consultant Asbestos Project Designer.
- B. Any deviation in work practices identified in CTDPH Standards for Asbestos Abatement, Sections 19a-332a-1 to 19a-332a-23, Sections 20-440-1 to 20-440-9, Section 20-441, and Section 19a-332e-1 to 19a-332e-2, must be requested in writing and approved in writing by the CTDPH.

1.7 FINAL VISUAL INSPECTION AND CLEARANCE AIR SAMPLING

- A. Following the completion of the final cleaning phase of the work in a contained work area, the Consultant shall conduct a final visual inspection of the area. The Contractor shall be responsible for meeting final visual criteria, which is the absence of visible debris, as specified in CTDPH regulation 19a-332a-12(b).

- B. Following the completion of the final visual inspection, and upon which time the Consultant agrees that the Contractor has met the final visual criteria and the work area has been encapsulated, the Consultant will collect final clearance air samples in work area(s) as required. The Contractor shall be responsible for payment of all costs associated with the collection and analysis of final air clearance sampling. If the first-round samples fail to meet the designated clearance criteria of 0.010 fibers/cubic centimeter (f/cc) by phase contrast microscopy (PCM) or <70 structures per square millimeter (s/mm) by transmission electron microscopy (TEM) the Contractor shall be responsible for payment of additional rounds until the area meets the designated criteria.

1.8 NOTIFICATIONS, POSTINGS, SUBMITTALS, AND PERMITS

- A. The Contractor shall make the following notifications and provide submittals to the following agencies prior to the commencement of removal work. This notification is required ten (10) calendar days prior to the start of the abatement project:

1. State of Connecticut
Department of Public Health
Indoor Air Program
410 Capitol Avenue
P.O. Box 340308
Hartford, CT 06134-0308

Note: Required for abatement occurring in a School facility. Also satisfies the requirement to notify the EPA.

2. State of Connecticut
Department of Energy & Environmental Protection
Health Services and Solid Waste management Unit
79 Elm Street
Hartford, CT 06106
(Only if asbestos waste is disposed of in Connecticut)

- B. The minimum information included in the notification to these agencies includes:
1. Name and address of site owner/operator.
 2. Site location.
 3. Amount of friable and non-friable asbestos-containing materials to be removed.
 4. Work schedule, including proposed start and completion dates.
 5. Asbestos removal procedures to be used.
 6. Name and location of disposal site for generated asbestos waste, residue, and debris.

1.9 WORK SITE SAFETY PLAN

- A. The Contractor shall establish a set of emergency procedures and shall post them in a conspicuous place at the work site. The safety plan should include provisions for the following:
1. Evacuation of injured workers.
 2. Emergency and fire exit routes from all work areas.
 3. Emergency first aid treatment.
 4. Local telephone numbers for emergency services including ambulance, fire, and police.
 5. Methods to notify appropriate personnel in the event of a fire or other emergency requiring evacuation of the site or area.
 6. Site safety plan for fall protection.
- B. The Contractor is responsible for training all workers in these procedures.

1.10 CONTROL OVER REMOVAL WORK

- A. At the discretion of the owner, all work procedures may be continuously monitored by the Consultant's Asbestos Project Monitor (APM) to determine that areas outside the designated work area(s) have not been contaminated.

- B. Prior to work on any given day, the Contractor's designated "Competent Person" shall discuss the day's work schedule with the APM to evaluate job tasks with respect to safety procedures and requirements specified to prevent contamination outside the work area. This includes a visual survey of the work area(s) and the decontamination enclosure systems. (if applicable)
- C. The Contractor shall maintain control of and be responsible for access to all work areas to ensure the following requirements:
 - 1. Non-essential personnel are prohibited from entering the area.
 - 2. All authorized personnel entering the work area shall read the "Worker Protection Procedures" which are posted at the entry points to the enclosure system, and shall be equipped with properly fitted respirators and protective clothing.
 - 3. All personnel who are exiting from the decontamination enclosure system shall be properly decontaminated.
 - 4. Asbestos waste that is taken out of the work area must be properly bagged and labeled in accordance with these specifications. The surface of the bags shall be decontaminated. Asbestos waste leaving the enclosure system must be immediately transported off site or immediately placed in locked, posted temporary storage on site, and removed within 24 hours of the project conclusion. The Contractor will seek permission of the Owner to place a temporary dumpster at a suitable location (if applicable).
 - 5. Any material, equipment, or supplies that are brought out of the decontamination enclosure system shall be cleaned and decontaminated by wet cleaning and/or HEPA vacuuming of all surfaces.

1.11 PROPER WORKER PROTECTION

- A. This section describes the equipment and procedures required for protecting workers against asbestos contamination and other workplace hazards except for respiratory protection.
- B. All workers are to be accredited and certified as Asbestos Abatement Workers as required by the CTDPH.
- C. The Contractor is required to be certified, accredited, and licensed as required by the CTDPH.

- D. In accordance with 29 CFR 1926.1101, all workers shall receive a training course covering the dangers inherent in handling asbestos, the dangers of breathing asbestos dust, proper work procedures, and proper worker protective measures. This course must include but is not limited to the following:
1. Methods of recognizing asbestos.
 2. Health effects associated with asbestos.
 3. Relationship between smoking and asbestos in producing lung cancer.
 4. Nature of operations that could result in exposure to asbestos.
 5. Importance of and instruction in the use of necessary protective controls, practices and procedures to minimize exposure including:
 - a. Engineering controls
 - b. Work practices
 - c. Respirators
 - d. Housekeeping procedures
 - e. Hygiene facilities
 - f. Protective clothing
 - g. Decontamination procedures
 - h. Emergency procedures
 - i. Waste disposal procedures
 6. Purpose, proper use, fitting, instructions, and limitations of respirators as required by 29 CFR 1910.134.
 7. Appropriate work practices for the work.
 8. Requirements of medical surveillance program.
 9. Review of 29 CFR 1926.
 10. Pressure differential systems.
 11. Work practices including hands on or on-job training.
 12. Personal Decontamination procedures.
 13. Air monitoring, personal and area.
- E. The Contractor shall provide medical examinations for all workers who may encounter an airborne fiber level of 0.1 f/cc or greater for an eight-hour Time Weighted Average (TWA). In the absence of specific airborne fiber data, provide

medical examinations for all workers who will enter the work area for any reason. Examination shall at a minimum meet OSHA requirements as set forth in 29 CFR 1926.1101. In addition, provide an evaluation of the individual's ability to work in environments capable of producing heat stress in the worker.

- F. Submit the following to the Owner/Consultant for review. The Contractor shall not start work until the Owner/Consultant reviews the submittals and indicates that they are acceptable.
1. Certificates from an EPA-approved AHERA Abatement Workers course for each worker as evidence that each Asbestos Abatement Worker is accredited as required by the AHERA Regulation 40 CFR 763 Appendix C to Subpart E, April 30, 1987.
 2. Evidence that the Contractor is certified to perform asbestos abatement work by the State of Connecticut Department of Public Health.
 3. An original signed copy of the Certificate of Worker's Acknowledgment found at the end of this section, for each worker who is to be at the job site or enter the Work Area.
 4. Documents verifying that each worker has had a medical examination within the last 12 months as part of compliance with OSHA medical surveillance requirements. Submit, at a minimum, for each worker the following:
 - a. Name and Social Security Number.
 - b. Physicians Written Opinion from examining physician including at a minimum the following:
 - 1) Whether worker has any detected medical conditions that would place the worker at an increased risk of material health impairment from exposure to asbestos.
 - 2) Any recommended limitations on the worker or on the use of personal protective equipment such as respirators.
 - 3) Statement that the worker has been informed by the physician of the results of the medical examination and of any medical conditions that may result from asbestos exposure.
 5. Information that was provided to physician in compliance with 29 CFR 1926.1101.
 6. A statement that the worker is able to wear and use the type of respiratory protection proposed for the project, and is able to work safely in an environment capable of producing heat/cold stress in the worker.

- G. Certification signed by an officer of the company and notarized which states that exposure measurements, medical surveillance, and worker training records are being kept in conformance with the requirements of OSHA 29 CFR 1926.

1.12 CONTRACTOR'S AIR SAMPLING RESPONSIBILITY

- A. The Contractor is responsible for monitoring airborne asbestos fiber concentrations in the workers' breathing zones and to establish conditions and work procedures for maintaining compliance with OSHA Regulations 29 CFR 1910.1001, and 1926.1101.
- B. The air sampling procedures shall ensure proper documentation of all personal air-sampling results. Documentation for personal sampling must be available at the job site for review by federal and/or state regulatory agencies.
- C. All air sampling shall be conducted in accordance with methods described in OSHA Standards 29 CFR 1910.1001 and 1926.1101. The flow rate for air samples will not be less than 0.5 liters/minute and must not exceed 2.5 liters/minute.

1.13 RESTRICTIONS ON CONTRACTOR'S USE OF GROUNDS

- A. The Contractor shall confine his/her operations to the actual work site, access routes and storage areas designated by the Owner. The Contractor may place a dumpster at a place designated by the Owner.
- B. The Contractor shall have sole responsibility for providing all materials, equipment, or tools and any storage required shall be at the Contractor's own risk. The Owner will not assume responsibility for any loss of materials, equipment, or tools stored on its property.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.
- B. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with asbestos shall be decontaminated or disposed of as asbestos waste.
- C. Polyethylene sheet in a roll size to minimize the frequency of joints shall be delivered to the job site with factory label indicating 4 or 6 mil thickness.
- D. Polyethylene disposable bags shall be six (6) mil thick with pre-printed labels.

- E. Tape and adhesive spray will be capable of sealing joints in adjacent polyethylene sheets and for attachment of polyethylene sheet to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions, including use of amended water.
- F. Surfactant (wetting agent), shall consist of fifty (50) percent polyoxyethylene ether and fifty (50) percent polyoxyethylene ester, or equivalent, and shall be mixed with water to provide a concentration of one (1) ounce surfactant to five (5) gallons of water or as directed by manufacturer.
- G. Removal encapsulant shall be non-flammable factory prepared penetrating chemical encapsulant found acceptable to Consultant. Usage shall be in accordance with manufacturer's printed technical data.
- H. The Contractor shall have available spray equipment capable of mixing wetting agent with water and capable of generating sufficient pressure and volume and having sufficient hose length to reach all areas where asbestos is present.
- I. Impermeable containers are to be used to receive and retain any asbestos- containing or contaminated materials until disposal at an acceptable disposal site. (The containers shall be labeled in accordance with OSHA Standard 29 CFR 1926.1101) Containers must be both air and watertight.
- J. Labels and signs, as required by OSHA Standard 29 CFR 1926.1101 will be used.
- K. Encapsulant shall be bridging or penetrating type which has been found acceptable to the Consultant. Usage shall be in accordance with manufacturer's printed technical data.
- L. A high efficiency particulate air (HEPA)-filtered local exhaust ventilation shall be utilized during the installation of enclosures and supports where asbestos-containing materials may be disturbed.

2.2 TOOLS AND EQUIPMENT

- A. The Contractor shall provide all tools and equipment necessary for asbestos removal.
- B. The Contractor's air monitoring professional shall have air-monitoring equipment of type and quantity to monitor operations and conduct personal exposure monitoring per OSHA requirements.
- C. The Contractor shall have available sufficient inventory of dated purchase orders for materials necessary for the job including protective clothing, respirators, filter cartridges, polyethylene sheeting of proper size and thickness, tape and air filters.

- D. The Contractor shall have available power cables or power sources such as generators (where required).
- E. Exhaust air filtration system units shall contain HEPA filter(s) capable of sufficient air exhaust to create negative pressure of at least 0.02 inches of water column within each enclosure with respect to outside areas. Equipment shall be checked for proper operation by smoke tubes or differential pressure gauge before the start of each shift and at least twice during the shift. Adequate exhaust air shall be provided for a minimum of four (4) air changes per hour within the enclosure. No air movement system or air filtering equipment shall discharge unfiltered air outside, nor shall filtered air units be exhausted indoors from the work area.
- F. Vacuum units, of suitable size and capacities for the project, shall have HEPA filter(s) capable of trapping and retaining at least 99.97 percent of all monodispersed particles of 0.3 micrometers in diameter or larger.
- G. The Contractor will have reserve units so that the exhaust air filtration system will operate continuously.

2.3 ELECTRICAL

- A. If the Contractor elects to furnish and install a portable ground fault circuit interrupter (GFCI) Power Supply Board and receptacles, it shall include the following:
 - 1. All circuits individually GFCI-protected.
 - 2. Weatherproof enclosure NEMA 3 (rain-tight) with receptacle covers.
 - 3. Construction durable, 16-gauge steel construction.
 - 4. At least two 20-amp circuits (for APM).
 - 5. Main circuit breaker.
 - 5. Components UL listed.
 - 6. At least two 20-amp circuits (for Decontamination Facility).
- B. The Contractor shall furnish and install wiring as follows:
 - 1. Size the wire to limit voltage drop to a maximum of 3% with length of run.
- C. The Contractor will supply additional lighting for all abatement work areas if necessary to provide sufficient lighting.

- D. As necessary, the Contractor will de-energize, lockout, and tag existing electrical components within the work area at their closest main source.
- E. The Contractor shall provide all electrical connections and equipment necessary to supply "bead/shot" machine.
- F. The Owner may furnish electrical power for the project.

PART 3 - EXECUTION

3.1 WORKER PROTECTION

A. General:

1. All asbestos abatement work shall be performed in accordance with 29 CFR 1910.1001, 29 CFR 1926.1101 and State of Connecticut regulations as specified herein. Personnel shall wear and utilize protective clothing and equipment as specified herein. Eating, smoking, drinking, chewing gum, or applying cosmetics shall not be permitted in the asbestos control area. Personnel of other trades not engaged in the abatement of asbestos shall not be allowed in the work area unless all the personnel protection provisions of this Specification are complied with by the trade personnel.
2. Engineering controls shall be used to minimize airborne fiber concentrations within the work area. A combination of personal protective equipment and work practices shall also be used to further reduce employee exposure to asbestos fibers.
3. The Contractor shall provide all authorized visitors with respirators, new filters, protective clothing, headgear, eye protection, footwear, and hard hats as in the procedures described herein and afford them the use of all facilities to keep them free of contamination from asbestos fibers.
4. The Contractor shall provide the decontamination facility for worker and equipment decontamination as well as the results of the personal air monitoring.

B. Respiratory Protection:

1. The Contractor shall select and provide at no cost to his/her employees respirators, which shall provide adequate protection to the employee as specified by Section 1910.1001(g) Table D-1 and Section 1926.1101(h) Table D-4.

2. Respiratory protection shall be worn by all persons potentially exposed to elevated airborne concentrations of asbestos fibers from the initiation of the asbestos abatement project until all areas have been given clearance. Clearance shall be conducted by the APM.
3. The Contractor shall provide Powered Air Purifying Respirators (PAPR) or Type C (continuous flow or pressure demand) supplied air respirators to all workers at the job site. If it is established, through collection and analysis of personal air samples in accordance with the OSHA Reference Method (ORM) (See U.S. Department of Labor; Occupational Safety and Health Administration; Occupational Exposure to Asbestos; Title 29 CFR 1910.1001, "General Industry Standard." Title 29 CFR 1926.1101, "Construction Standard") that this respiratory protection is more than sufficient the Contractor may provide half face-piece air purifying respirators.
 - a. Once the exposure limits have been established, the respirators presented in 29 CFR 1910.1001 that afford adequate protection at such upper concentrations of airborne asbestos fibers shall be used.
 - b. The minimum personal sampling period shall be seven hours at a flow rate of 0.5 to 2.5 liters per minute. The samples shall be collected within the workers' breathing zone. Personal sampling shall be the responsibility of the Contractor. Personal sampling results shall be available on site no later than 24 hours after sampling.
 - c. The filters provided for both the cartridge respirators and the PAPR's shall be National Institute for Occupational Safety and Health (NIOSH) approved for asbestos fibers.

C. Protective Clothing:

1. The Contractor shall provide to all workers, foreman and superintendents, protective disposable clothing consisting of full body coveralls, head covers, and 18-inch high boot type covers or reusable footwear.
2. The Contractor shall provide eye protection and hard hats, as required, by job conditions and safety regulations.
3. Reusable footwear, hard hats and eye protection devices shall be left in the "contaminated equipment room" until the end of the asbestos abatement work.
4. Upon completion of asbestos abatement work, the footwear shall be disposed of as contaminated waste or cleaned thoroughly inside and out using soap and water before removing from work area or from equipment and access area.

5. All disposable protective clothing shall be discarded and disposed of as asbestos waste when the wearer exits from the workspace to the outside through the decontamination facilities.
6. The color of the disposable clothing worn outside the work area shall be a different color than the disposable clothing worn inside the work area.

D. Decontamination Procedures:

1. Each worker and authorized visitor without exception shall, upon entering the job site: remove street clothes in the clean change room and put on an appropriate respirator with new filters, and clean disposable protective clothing before entering the equipment room or the work area, except that workers intending to re-wear previously worn protective clothing stored in the equipment room shall enter the equipment room wearing only respirators.
2. Each time he/she leaves the work area, each worker and authorized visitor shall:
 - a. Vacuum gross contamination from clothing before leaving the work area.
 - b. Proceed to the equipment room and remove all clothing except respirator.
 - c. Still wearing the respirator, proceed unclothed into the showers.
 - d. Clean the outside of the respirator with soap and water while showering.
 - e. Remove filters, wet them, and dispose of filters in the container provided for that purpose.
 - f. Wash and rinse the inside of the respirator. After showering, dry off with disposable towels.
3. Following showering and drying off, each worker and authorized visitor shall proceed directly to the clean change room and dress in street clothes at the end of the day's work, or before eating, smoking, or drinking.
4. Contaminated reusable work footwear shall be stored in the equipment room when not in use in the work area. Upon completion of asbestos abatement work, footwear shall be disposed of as contaminated waste or cleaned inside and out using soap and water before removing these items from the work area

or from the equipment and access area. Contaminated protective clothing shall be stored in the equipment room for reuse or placed in receptacles for disposal with other asbestos-contaminated materials.

3.2 WORK AREA PREPARATION

- A. Where necessary, within regulated areas, shut down electrical power, including receptacles and light fixtures. Under no circumstances during the abatement process will existing lighting fixtures inside the regulated area be permitted to be operating. Provide GFCI devices, temporary power, and temporary lighting installed in compliance with the applicable electrical codes and by a licensed electrician. Electrical receptacles inside work area may not be used unless they are protected by GFCI devices.
- B. Shut down and/or isolate heating, cooling, and ventilation air systems or zones to prevent contamination and fiber dispersal to other areas of the structure. During the work, vents within the work area shall be sealed with duct tape and polyethylene sheeting.
- C. Seal off all openings, including, but not limited to, windows, doorways, ducts, grills, diffusers, and any other penetration of the work area, with polyethylene sheeting a minimum of six (6) mils thick, sealed with duct tape. These barriers are to be affixed to the exterior of the structure as applicable.
- D. Remove moveable objects within the proposed work area to the extent possible before the work starts.
- E. Pre-clean fixed objects within the work areas, using HEPA vacuum equipment and/or wet cleaning methods as appropriate, and enclose with a minimum six (6) mil plastic sheeting sealed with duct tape.
- F. Clean the proposed work areas using HEPA vacuum equipment or wet cleaning methods as appropriate. Do not use methods that raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters.
- G. Install adequate number of HEPA ventilation units to achieve the required number of at least 4 air changes per hour and exhaust units to the exterior of the building.

3.3 DECONTAMINATION SYSTEM

- A. The Contractor shall establish a decontamination enclosure (decon) contiguous to the work area consisting of equipment room, shower room, and clean room in series. The only access between contaminated and uncontaminated areas shall be through this decontamination enclosure.

- B. Access between rooms in the decontamination system shall be through double-flap curtained openings. The clean room, shower room and the equipment room within the decontamination enclosure shall be completely sealed ensuring that the sole source of airflow through this area originates from uncontaminated areas outside the work area.
- C. Construct the decontamination system with PVC, metal, or other equivalent rigid framing and cover both sides with a double layer of six (6) mil polyethylene sheeting, spray glued and taped at the joints.

3.4 MAINTENANCE OF THE WORK AREA

- A. Acceptance of Asbestos Control Area: The Contractor shall not begin removal unless the APM is in attendance. The control area must be constructed, the decontamination facility prepared and the supplies to be used assembled, barriers properly constructed, openings sealed, and other preparations made to allow the removal operation to proceed. If conditions are not acceptable, the Contractor shall correct deficiencies to comply with the specifications.

3.5 ASBESTOS REMOVAL PROCEDURE - GENERAL

- A. The Contractor shall have a designated "Competent Person" on the job at all times to ensure establishment of a proper enclosure system and proper work practices throughout project.
- B. Abatement work will not commence until authorized by on-site APM (if applicable).
- C. Spray asbestos materials with amended water using airless spray equipment or apply approved removal wetting agent to reduce the release of fibers during removal operation. The Consultant shall pre-approve the use of amended water as the wetting agent.
- D. In order to maintain indoor airborne asbestos fiber concentrations to the minimum, the wet asbestos must be removed in manageable sections.
- E. Fill disposal containers as removal proceeds, seal filled containers and clean containers before removal to equipment decontamination system. Wet clean each container thoroughly, double bag and apply caution label. Ensure that workers do not exit the work area through the equipment decontamination enclosure.
- F. After completion of stripping work, all surfaces from which asbestos has been removed shall be wet brushed, using a nylon brush, wet wiped, and sponged or cleaned by an equivalent method to remove all visible material. During this work, the surfaces being cleaned shall be kept wet.

- G. Remove and containerize all visible accumulations of asbestos-containing and/or asbestos-contaminated debris. During cleanup, utilize brooms, rubber dustpan, and rubber squeegees, where applicable. Dry sweeping is forbidden at all times.
- H. Sealed disposal containers, and all equipment used in the work area, shall be included in the cleanup and shall be removed from work areas via the equipment decontamination enclosure at an appropriate time in the cleaning sequence. All asbestos waste shall be placed in 6-mil polyethylene disposal bags and shall be double bagged in the equipment decontamination enclosure before removal from the site.
- I. At any time during asbestos removal, should the APM suspect contamination of areas outside the work area(s), he/she shall cause all abatement work to stop until the Contractor takes steps to decontaminate these areas and eliminate the causes of such contamination. Unprotected individuals shall be prohibited from entering suspected contaminated areas until air sampling and visual inspections certify decontamination.
- J. After completion of the initial final cleaning procedure but prior to encapsulation, a pre-sealant inspection shall be conducted by the APM. The pre-sealant inspection shall verify that ACM and residual dust has been removed from the work area.

3.6 ASBESTOS REMOVAL PROCEDURE – FLOORING/FLOORING DEBRIS

- D. Seal off all openings, including, but not limited to, windows, doorways, ducts, grills, diffusers, and any other penetration of the work area, with polyethylene sheeting a minimum of six (6) mils thick, sealed with duct tape. These barriers are to be affixed to the exterior of the structure as applicable.
- E. Prior to beginning the removal of any flooring/flooring debris, remove moveable objects within the work area to the extent possible before the work starts. Items located within the work area shall be disposed of at the beginning of the asbestos removal stage of the project. Non-porous items shall be cleaned with HEPA vacuuming and wet cleaning techniques prior to leaving the work area, and porous items including cabinetry, insulation, and scrap wood shall be properly containerized for disposal as asbestos waste. If applicable, remove the counters and radiators to access the floor tile and mastic that go underneath those items.
- C. Remove flooring/flooring debris using the following procedure:
 - 1. Remove binding strips, all vinyl cove base, or other restrictive molding from doorways, walls, etc. clean and dispose of as demolition waste unless contaminated with ACMs. Dispose of any materials that have floor mastic on them as asbestos-containing waste. The contractor may have to perform

- selective destructive demolition, such as removing partition walls, to access the tile.
2. Wet the floor with amended water, removal encapsulant, or detergent solution, so that entire surface is wet. Do not allow puddle or run off to other areas. If a removal encapsulant is used, use in strict accordance with manufacturer's instructions. If necessary, cover with sheet polyethylene to allow humidity to release flooring materials from floor. Allow time for humidity and water or removal encapsulant to loosen flooring materials prior to removal.
 3. Keep floor continuously wet throughout removal operation.
 4. Remove tiles using a manual or powered spade, or stripping machine. Continuously mist floor in area where machine is working with amended water, removal encapsulant or detergent solution. Wet any debris generated as necessary to keep continuously wet.
 5. Underlayment or similar porous sub-flooring material shall be removed to extents feasible and disposed of as asbestos containing waste.

D. Debris and Waste

1. Pick up flooring, stack, place in lined boxes or place in labeled disposal bags. At the Contractor's option tiles may be placed directly into durable leak-tight containers.
2. Shovel broken flooring and debris into nylon reinforced grain bags that are placed in a disposal bag, or place directly in steel leak-tight drums.
3. Place bagged waste in a second disposal bag during decontamination and dispose of as asbestos waste.

- E. After completion of all ACM removal work, the Contractor shall conduct final cleaning.

3.7 ASBESTOS REMOVAL PROCEDURE – “ROLLED ROOFING” SIDING

- A. The Contractor shall have a designated "Competent Person" on the job at all times to ensure proper work practices throughout project.
- B. GFCI devices shall be utilized for all electrical connections made as part of this project.
- C. Establish regulated area to restrict access to only those authorized personnel.
- D. A remote personal decontamination facility shall be erected onsite and as near as possible to the regulated area, and shall consist of 1 stage and constructed according to 1926.1101(j)(2).

- E. Install one layer of 6-mil polyethylene sheeting to ground beneath panels as a drop cloth extending at least 10 feet from base of structure and secured in place.
- F. Workers shall don the proper PPE prior to beginning the removal.
- G. Remove siding using the following procedure:
 1. Lightly wet siding with amended water at location of fastener, ensuring that excess water is not used resulting in run-off.
 2. Unbolt/unfasten or carefully pry siding from wall exercising caution to not break. Cutting may be required to create manageable sized pieces.
 3. Ensure residual caulking/tars are wetted, hand scraped, no visible emissions of dust or debris are produced. At no time shall the contractor grind, abrade, or sand the material which will create visible emissions
 4. Carefully lower each piece and place into lined boxes or place in labeled disposal bags. At the Contractor's option siding may be placed directly into durable leak-tight containers. Adequately wet panels with amended water, ensuring that excess water is not used resulting in run-off. Seal poly with spray glue and duct tape for disposal as asbestos waste.
 5. Label all asbestos waste in accordance with OSHA 29 CFR 1926.1101(k)(8) as appropriate.
- H. All waste must be properly bagged, labeled, and securely containerized by the end of each work day.
- I. After completion of all asbestos containing material removal work the Contractor shall conduct final cleaning, utilizing wet methods and HEPA vacuuming. In addition, drop cloth shall be disposed of as asbestos waste.
- J. After all removal and cleaning procedures have been completed, the project monitor will visually determine that no dust, debris, or residue is present in the work area.

3.8 ASBESTOS REMOVAL PROCEDURE – VENT FLASHING ROOF TAR

- A. The Contractor shall have a designated "Competent Person" on the job at all times to ensure proper work practices throughout project.
- B. Contractor shall supply water, and a generator for electricity.
- C. GFCI devices shall be utilized for all electrical connections made as part of this project.

- D. Install one layer of 6-mil poly sheeting to the ground on each side of the building where removal is taking place as a drop cloth. Drop cloth shall extend at a minimum, at least 10 feet from the base of the building.
- E. Establish regulated area to restrict access to only those authorized personnel.
- F. A remote personal decontamination facility shall be erected onsite and as near as possible to the regulated area, and shall consist of 1 stage and constructed according to 1926.1101(j)(2).
- G. Workers shall don the proper PPE prior to beginning the removal.
- H. Remove roofing materials using the following procedure:
 - 1. Wet the material to be removed with amended water or detergent solution, so that entire surface is adequately wet. Do not allow puddle or run-off to other areas.
 - 2. Cut out roofing material into manageable sections. At no time shall the contractor grind, abrade, or sand the material which will create visible emissions.
 - 3. Lower sections of roofing to the ground and place into containers or open top roll-off lined with a minimum of 2 layers of 6-mil polyethylene sheeting for disposal. Do not drop waste from roof.
 - 4. Keep roofing material continuously wet throughout removal operation.
 - 5. Continuously mist area where removal is being performed with amended water, removal encapsulant or detergent solution. Area where roofing has been removed must be kept continuously wet until after the completion of removal.
 - 6. Label and properly dispose of roofing materials as asbestos waste.
- I. Roofing material must be removed intact and placed into a labeled container for disposal.
- J. After completion of all asbestos containing materials removal work, the Contractor shall conduct final cleaning utilizing wet methods and HEPA vacuuming.
- K. After all removal and cleaning procedures have been completed, the project monitor will visually determine that no dust, debris, or residue is present in or around the work area.

3.9 CONSULTANT AND SUSPENSION OF WORK

- A. Martinez Couch & Associates, LLC has designated FSS to perform the duties of the Consultant for this Contract. The Consultant will also act as the APM for the project.
- B. The removal work shall be reviewed by the Consultant. The Contractor will request an inspection at least 24 hours in advance of requiring the inspection.
- C. During the progress of the work, the Consultant, following approval by the Owner, shall have the right to make any changes, alterations, additions or omissions in the work or Specifications in accordance with the General Conditions.
- D. The Consultant will recommend that the Owner order a suspension of work based on a determination of risk of adverse health and safety impacts on the environment, workers, or the general public, or failure to comply with the Specifications/regulations. The Contractor and the Owner will be notified in writing of the reason and of the recommended resolution.
- E. At the discretion of the Owner, the Consultant will provide oversight and visual inspection services throughout the Contract's duration. It shall be the Contractor's responsibility to comply with pertinent work standards and regulations.
- F. Upon completion of work in a defined work area, the Consultant will conduct a final visual inspection for the purpose of evaluating work completion. Unsatisfactory conditions shall be immediately corrected in a manner specified by the Consultant and the contract documents. Final payments shall be approved only after the Owner receives all properly completed Waste Shipment Record Forms and other required documentation and records.

3.10 CONSULTANTS' AIR SAMPLING RESPONSIBILITIES

- A. Air sampling shall be conducted by the Consultant to ascertain the integrity of controls that protect the building from asbestos contamination.
- B. Consultant's APM shall collect and analyze air samples during the following time periods:
 1. Pre-Abatement Period: The APM may collect samples prior to abatement work to establish baseline readings. These samples will be collected in and around the proposed work areas. Pre-abatement air samples shall be collected as required to obtain a volume of 1,200 liters. Pre-abatement and during abatement Samples shall be analyzed by PCM methodology using the NIOSH 7400 protocol.

2. Abatement Period: The APM may collect samples when onsite on a daily basis during the work period. A sufficient number of area samples shall be taken outside of the work area to judge the degree of cleanliness or contamination of the building during removal. Additional samples may be taken inside the work area at the discretion of the APM.
 3. Post-Abatement Period: As required by the regulation, the APM shall conduct air sampling following the final cleanup phase of the project, once the "no visible residue" criterion, as established by the project monitor, has been met. Five (5) samples shall be collected inside the work area utilizing aggressive methods to comply with the State of Connecticut Department of Public Health Standards for Asbestos Abatement, sections 19a-332a-12. Analysis of the samples to determine airborne concentrations of asbestos shall be conducted by Transmission Electron Microscopy (TEM) method with an upper limit of 70.0 structures per square millimeter (s/mm²) as an average concentration of airborne fibers in five (5) samples; or by Phase Contrast Microscopy (PCM) to show that the concentration of fibers for each of the five (5) samples is less than or equal to a limit of quantitation for PCM - 0.01 fibers per cubic centimeter (0.01 f/cc) of air in accordance with the above regulations.
- C. At the direction of the Owner, the APM shall provide ongoing evaluation of the air quality within the building during removal, using his/her best professional judgments with respect to the State of Connecticut Department of Public Health guideline of 0.010 fibers/cc and the background air quality established during the pre-abatement period.
- D. If the APM determines that the building air quality has become contaminated from the project, he/she shall immediately inform the Contractor to cease all removal operations and implement a work stoppage clean up procedure. The Contractor shall conduct a thorough cleanup of the areas of the building designated by the Consultant. No further removal work can take place until the APM has assessed that the building air has been decontaminated.

3.11 CONSULTANT'S INSPECTION RESPONSIBILITIES

- A. Inspections shall be conducted by the APM as required, throughout the progress of the abatement project. Inspections shall be conducted in order to document the progress of the abatement work as well as the procedures and practices employed by the Contractor.
- B. The APM shall perform the following inspections during the course of abatement activities:

1. Pre-commencement Inspection (optional). Pre-commencement inspections may be performed at the time requested by the Contractor. The APM shall be informed sufficiently in advance of the time the inspection is needed. During the course of the pre-commencement inspection, the APM shall inspect the containment and surrounding work areas. This shall include, but not be limited to, inspection of barrier integrity, worker decontamination facility, utilization of power sources, and location and capacity of negative air filtration devices. If, during the course of the pre-commencement inspection, deficiencies are found, the Contractor shall perform the necessary adjustments in order to obtain compliance.
2. Work Area Inspections. Work area inspections may be conducted on a daily basis at the discretion of the Owner/Consultant. During the course of the work inspections, the APM shall observe the Contractor's removal procedures, verify barrier integrity, monitor negative air filtration devices, assess project progress, and inform the Contractor of specific remedial activities if deficiencies are noted.
3. Pre-sealant Final Visual Inspection. A pre-sealant inspection for each work area shall be conducted by the APM upon the request of the Contractor. The pre-sealant inspection shall be conducted after completion of the initial cleaning procedures, but prior to encapsulation. The pre-sealant inspection shall verify that no visible ACM or residual debris remain in the work area. If, during the course of the pre-sealant inspection, the APM identifies visible residual ACM or debris, the Contractor shall re-clean the work area until it is deemed acceptable by the APM.

3.12 WASTE DISPOSAL

- A. All waste material shall be promptly wetted and placed in 6-mil polyethylene bags, wrapped in two layers of 6-mil polyethylene plastic sheeting, or place into labeled disposal bags as it is generated. At the Contractor's option materials may be placed directly into durable leak-tight containers. A sufficient number of waste bags and/or plastic sheeting shall be located in the immediate work area (unused bags in the equipment room of the decontamination facility must be thoroughly cleaned or disposed of as contaminated waste). The Contractor shall count or measure the volume of each filled container leaving the work area, and maintain a written record of such. The Contractor shall provide Project Engineer (Martinez Couch & Associates, LLC) with all copies of waste manifest documents in a timely manner.

- B. Warning labels, having waterproof print and permanent adhesive, shall be affixed to the sides of all waste bags or transfer containers. Warning labels shall be conspicuous and legible, and contain the following words in accordance with OSHA 1926.1101:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD

In addition to the above, affix 'waste generator label' to include the generator's name and address on each waste container. Waste transport vehicles will have appropriate U.S. Department of Transportation signage on them for transportation of asbestos waste materials.

- C. A fine water spray shall be used to keep the unbagged or unwrapped waste damp at all times.
- D. Sealed waste shall be removed from the work area and stored in an on-site, enclosed, lined, and lockable dumpster or transported to the landfill. The temporary storage dumpster area shall be prominently identified and be kept locked.
- E. Once a truckload of waste containers has accumulated, the Contractor shall arrange for transportation to the landfill. No temporary co-mingling of asbestos waste from this project with that from another site will be allowed.
- F. Waste Transportation and Disposal Regulations:
1. It is the responsibility of the Contractor to determine and ensure compliance with the current waste handling regulations applicable to the work site and the current regulations for waste transportation to and disposal at each ultimate landfill. The Contractor shall comply fully with these regulations and with all U.S. Department of Transportation, EPA, and State of Connecticut Department of Energy and Environmental Protection (CTDEEP) requirements.
 2. If required, the Contractor (or Subcontractor), at no additional cost, shall maintain a valid hazardous waste transporter's permit and identification number, and document and fully comply with any hazardous waste manifesting requirements.
- G. Waste Disposal Procedure:
1. The Contractor shall incorporate in his/her proposal the estimated quantity of asbestos waste disposal to be generated during the work; the proposed final waste site; the estimated number of separate waste shipments (loads), and the

current estimated transportation and landfill disposal fees (per cubic yard). Non-contaminated waste transport and disposal shall be solely the Contractor's responsibility. The Contractor shall review each of these items and resolve any discrepancies or deficiencies during the pre-construction site meeting.

2. The Contractor shall package, label, and remove all asbestos waste as specified in the specifications. Packaging shall be accomplished in a manner that minimizes waste volume, but so that waste containers will not tear or break.
3. The Contractor shall verify the total volume of waste material to be removed from the site (total count of waste containers and total volume estimate to the nearest 0.5 cubic yard), and insert the quantity on the Waste Shipment Record and on a hazardous waste manifest if required.
4. The Contractor shall provide legal transportation of this waste to the ultimate disposal landfill; and have the waste hauler and the landfill owner complete all other required manifests, dump slips, or other forms. The completed and fully signed (by all required parties) original of the Waste Shipment Record, and copies of the other forms, shall be returned within thirty (30) calendar days to the Owner for payment approval. No payments will be approved, or made for incomplete Waste Shipment Records.
5. All disposal of asbestos-containing and/or asbestos-contaminated material must be in compliance with requirements of and authorized by the Solid Waste Management Division, State of Connecticut Department of Energy and Environmental Protection (CTDEEP).

H. Waste Disposal Fees:

1. All Contractor contaminated waste handling costs, such as waste packaging, on-site/off-site storing/handling, transport/disposal, permitting, record keeping, and non-contaminated waste handling must be included in the Contractor's proposal as applicable to removal of asbestos materials and/or performance of the related abatement activities.

3.13 PROJECT RESTORATION

A project walk-through shall be conducted after the abatement portion of the project to identify areas or equipment damaged during the work. If the Owner determines that the damage is caused by acts or omissions of the Contractor, a punch list shall be developed. The Contractor shall be responsible for repair or replacement, or at the discretion of the Owner, payment for the work of another Contractor to complete the punch list. A second walk through shall be conducted after completion of punch list items.

END OF SECTION

CERTIFICATE OF WORKER'S ACKNOWLEDGMENT

PROJECT NAME _____ DATE _____

PROJECT ADDRESS _____

CONTRACTOR'S NAME _____

WORKING WITH ASBESTOS CAN BE DANGEROUS. INHALING ASBESTOS FIBERS HAS BEEN LINKED WITH VARIOUS TYPES OF CANCER. IF YOU SMOKE AND INHALE ASBESTOS FIBERS THE CHANCE THAT YOU WILL DEVELOP LUNG CANCER IS GREATER THAN THAT OF THE NON-SMOKING PUBLIC.

Your employer's contract with the Owner for the above project requires that: You be supplied with the proper respirator and be trained in its use; You be trained in safe work practices and in the use of the equipment found on the job; You receive a medical examination; These things are to have been done at no cost to you.

RESPIRATORY PROTECTION: You must have been trained in the proper use of respirators, and informed of the type respirator to be used on the above referenced project. You must be given a copy of the written respiratory protection manual issued by your employer. You must be equipped at no cost with the respirator to be used on the above project.

TRAINING COURSE: You must have been trained in the dangers inherent in handling asbestos and breathing asbestos dust and in proper work procedures and personal and area protective measures. The topics covered in the course must have included the following:

- Physical characteristics of asbestos
- Health hazards associated with asbestos
- Respiratory protection
- Use of personal protective equipment
- Pressure Differential Systems
- Work practices including hands on or on-job training
- Personal decontamination procedures
- Air monitoring, personal and area

MEDICAL EXAMINATION: You must have had a medical examination within the past 12 months at no cost to you. This examination must have included: health history, pulmonary function tests and may have included an evaluation of a chest x-ray.

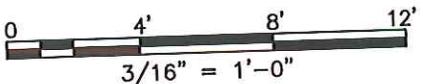
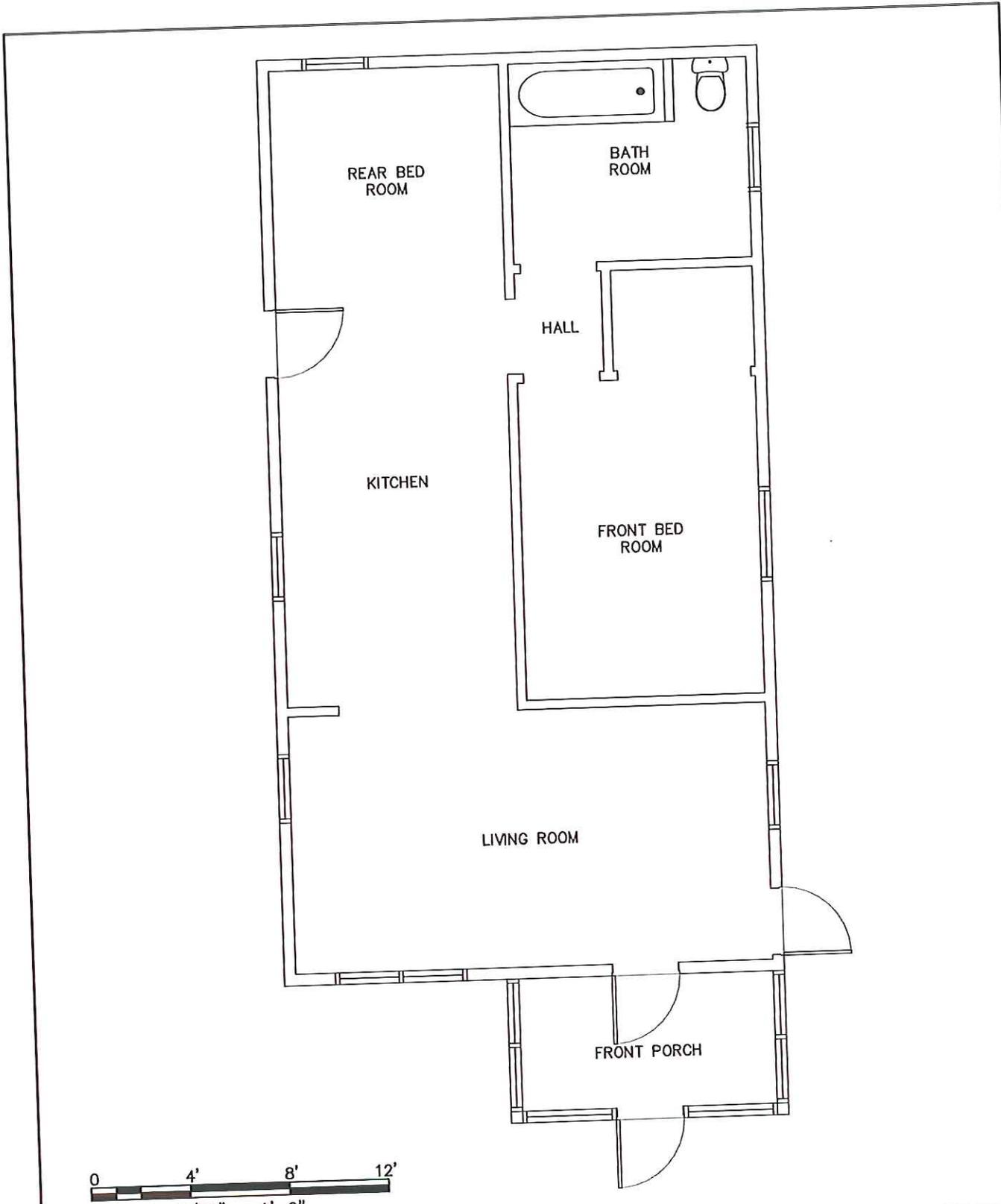
By signing this document you are acknowledging only that the Owner of the building you are about to work in has advised you of your obligation to training and protection relative to your employer, the Contractor.

Signature _____

Printed Name _____

Social Security # _____

Witness _____



	<p>PROJECT 5057 33 BLAIR STREET MILFORD, CONNECTICUT 06460</p>	<p>EXISTING FLOOR PLAN</p>
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**PCB (<50 ppm) Containing Materials
Removal/Disposal Work Plan**

**33 BLAIR STREET
MILFORD, CONNECTICUT 06460**

APPLICANT NO. 5057

Prepared For:

**Martinez Couch & Associates, LLC
1084 Cromwell Avenue
Suite A-2
Rocky Hill, Connecticut 06067**

Prepared By:



**2685 State Street
Hamden, Connecticut 06517**

Kevin Bogue

**Kevin Bogue, CIH, CHMM
Senior Project Manager**

**May 17, 2017
Revised 6/9/2017**

**PCB (<50 ppm) Containing Materials
Removal/Disposal Work Plan
33 Blair Street
Milford, CT**

The following work plan outlines the removal of Polychlorinated Biphenyl (PCB) - containing residual tar paper associated with the wood floor of the kitchen at 33 Blair Street Milford, Connecticut. The tar paper associated with the wood floor has been identified as containing PCBs less than 50 ppm. The exact quantity shall be confirmed at the time of the pre-bid walkthrough. The removal shall be conducted by a State of Connecticut licensed asbestos contractor. A State of Connecticut licensed asbestos project monitor shall conduct a visual inspection of the area at the conclusion of the work to verify that the work has been thoroughly and successfully completed.

The removal of the friable tar paper material shall be conducted under containment with the use of a negative pressure enclosure. The materials should be treated as a regulated asbestos containing material following all applicable State and Federal Regulations for asbestos abatement. All applicable sections of OSHA, EPA, and State of Connecticut Regulations shall be adhered to as part of this project including 29CFR 1926.1101. Prior to the commencement of site work; the Contractor, Martinez Couch and Associates (MCA), and any other necessary personnel involved in the project shall attend the pre-removal meeting. The exact date and time of this meeting shall be determined by MCA.

PCB REMOVAL PROCEDURE – GENERAL

- A. The Contractor shall have a designated "Competent Person" on the job at all times to ensure proper work practices throughout project.
- B. All applicable sections of OSHA, EPA, and State of Connecticut Regulations shall be adhered to as part of this project including 29 CFR 1926.
- C. Proper PPE shall be worn at all times. This shall include respiratory protection and disposable full body coveralls.
- D. Contractor shall provide connections to use the sites water supply and electricity.
- E. GFCI devices shall be utilized for all electrical connections made as part of this project.
- F. All waste shall be labeled and disposed of in accordance with C.G.S, Sections 22a-463 through 22a-469 that regulate caulking or other building materials containing PCBs <50 ppm but ≥ 1 ppm. Facility proposed for disposal shall be permitted to accept waste with PCB <50 ppm.
- G. Label all PCB waste in accordance with OSHA 29 CFR 1926.1101(k)(8) and EPA 40 CFR part 61.152 as appropriate.
- H. All waste must be containerized, labeled and removed from the site by the end of each work day.

PCB REMOVAL PROCEDURE – TAR PAPER ON KITCHEN FLOOR

- A. Adhere two layers of 6-mil poly sheeting to the floor joists beneath the house where removal is taking place as a critical barrier. Install a 6-mil poly drop cloth in the residence surrounding the work area.
- B. Work shall be conducted under full negative air enclosure immediately following removal of ACM and re-occupancy air sampling results.
- C. Establish regulated area to restrict access to only those authorized personnel.
- D. A remote personal decontamination facility shall be erected onsite and as near as possible to the regulated area, and shall consist of 3 stages and constructed according to 1926.1101(j)(1)(i).
- E. Workers shall don the proper PPE prior to beginning the removal. PPE should address the asbestos and PCB containing materials.
- F. Remove the tar paper associated with the kitchen floor using the following procedure:
 - 1. Wet the kitchen floor to be removed with amended water or detergent solution, so that entire surface is adequately wet. Do not allow puddle or run-off to other areas.
 - 2. Continuously mist material being removed with amended water.
 - 3. Unfasten boards containing the PCB tar paper from the underlying floor joists.
 - 4. Ensure that waste is adequately wet.
 - 5. All tar paper contaminated wood is to be removed and disposed of as asbestos waste.
 - 6. A HEPA-filtered vacuum cleaner or wet cleaning technique shall be used to clean up the work area following abatement until there is no visible residue.
- G. After completion of all PCB containing material removal work the Contractor shall conduct final cleaning, utilizing wet methods and HEPA vacuuming of the work area.
- H. After all removal and cleaning procedures have been completed, the project monitor will visually determine that no dust, debris, or residue is present in the work area; following approval by the project monitor, the containment can be removed and the area re-occupied.



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 14A Documentation – FMC Appendix B – Professional Certification Form

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: 33 Blair Street, Milford CT

Application Number: 5057

"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.

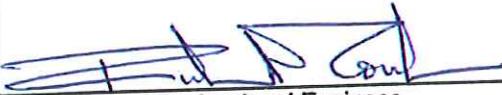
I understand that a false statement made in the submitted information may, pursuant to Section 22a-6 of the General Statutes, be punishable as a criminal offense under Section 53a-157b of the General Statutes, and may also be punishable under Section 22a-438 of the General Statutes."

Signature of Applicant

Date

Name of Applicant (print or type)

Title



6/8/2017

Signature of Professional Engineer

Date

Richard E. Couch

15480

Name of Professional Engineer (print or type)

P.E. Number

Affix P.E. Stamp Here





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Attachment 13 – Checklist Item 14C Documentation – Tidal Wetlands



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Attachment 13A – Checklist Item 3, and 14C Documentation – Onsite Wetlands Investigation

SOIL & ENVIRONMENTAL SERVICES, INC.

61 Plants Dam Road, East Lyme, CT 06333 860-739-6691 Fax 739-4150 soilinc@gmail.com

November 30, 2015.

Darin Lemire, PE, CPSWQ, CPESC
MARTINEZ COUCH & ASSOCIATES, LLC
1084 Cromwell Avenue, Suite A-2
Rocky Hill, CT 06067

Project: 33 Blair Street, Milford, CT

Dear Mr. Lemire:

In late November 2015, we conducted an on-site soils and wetlands investigation on the above referenced site.

The purpose of this investigation was to delineate wetlands and watercourse boundaries on the subject site under CT soils criteria and under CT tidal wetland regulations. Our literature review prior to the field investigation included: NRCS Web Soil Survey, Soil Taxonomy (USDA Handbook 436, 1975, Rev 1999), CTDEEP Long Island Sound Program information (Rev.), available maps from your office, and Town webpage maps. A number of soil borings were dug to a depth of 2-4 feet to conduct this study.

The flag series was as follows.

TABLE #1- FLAG NUMBERS & WETLAND DESIGNATIONS

<u>FLAG #</u>	<u>WETLAND DESIGNATION</u>
#1 - 13	CT Tidal Wetlands

SOIL & ENVIRONMENTAL SERVICES, INC.

2 – 33 Blair Street, Milford, CT

The soils within the project area were as follows.

Upland soils:

- 306 Udorthents-Urban Land complex - moderately well drained to well drained soils that have been cut, filled, or regraded. Udorthents are disturbed soils where the upper part of the original soil has been removed or filled due to construction, grading or building activity. Urban Land is more than 85% covered by asphalt or buildings. Most of the subject area was Udorthents soils.

Tidal wetland:

- 98 Westbrook Mucky Peat - frequently flooded, very poorly drained, wetland soil. Classified as loamy Terric Sulphemists that occur in tidal areas. The soil profile to about 45 inches is a black to dark gray mucky peat (Oe horizons). The substratum (C horizon) is a gray silt loam. The water table is usually at the surface in Westbrook soils.

Please contact us if there are any questions.

Sincerely,

Martina Castanho

Certified Professional Soil Scientist #2302 (SSSA)
Professional Soil Scientist Member (SSSSNE)

Donald J. Fortunato

Certified Professional Soil Scientist #2278 (SSSA)
Professional Soil Scientist Member (SSSSNE)

In 2012, the Connecticut General Assembly passed PA 12-101 which included a revision to the State's regulatory jurisdiction under Connecticut General Statutes (CGS) Section 22a-359. In essence, this revision changes the regulatory jurisdiction limit from the "high tide line" to the area up to and including the elevation of the "coastal jurisdiction line" (CJL) as determined for the State's major tidal waterbodies. The change went into effect on October 1, 2012.

Long Island Sound		Connecticut River		Housatonic River	
Greenwich	5.5'	Old Lyme	2.9'	Stratford	5.0'
Stamford	5.5'	Old Saybrook	2.9'	Milford	5.1'
Darien	5.5'	Lyme	2.9'	Shelton	5.4'
Norwalk	5.4'	Essex	2.8'	Orange	5.4'
Westport	5.3'	Deep River	2.9'	Ansonia	5.4'
Fairfield	5.2'	Chester	2.9'	Derby	5.4'
Bridgeport	5.0'	East Haddam	3.0'		
Stratford*	4.8'	Haddam	3.0'		
Milford*	4.7'	East Hampton	3.0'	Thames River	
Orange*	4.7'	Middletown	3.1'	New London	2.1'
West Haven	4.6'	Portland	3.3'	Groton	2.1'
New Haven	4.6'	Cromwell	3.3'	Waterford	2.2'
Hamden	4.6'	Rocky Hill	3.4'	Ledyard	2.3'
North Haven	4.6'	Glastonbury	3.5'	Montville	2.3'
East Haven	4.5'	Wethersfield	3.6'	Preston	2.3'
Branford	4.3'	East Hartford	3.8'	Norwich	2.4'
Guilford	4.0'	Hartford	3.8'		
Madison	3.7'	South Windsor	3.9'		
Clinton	3.4'	Windsor	3.9'		
Westbrook	3.2'	East Windsor	15.0'		
Old Saybrook*	2.9'	Windsor Locks	15.0'		
Old Lyme*	2.6'	Suffield	40.5'		
East Lyme	2.3'	Enfield	40.5'		
Waterford*	2.1'				
Groton*	2.0'				
Stonington	2.0'				

* Municipalities with multiple CJL elevations

Tidal Wetlands... Sec. 22a-29. (Formerly Sec. 22-7i). Definitions. The following words/phrases, as used in sections 22a-28 to 22a-35, shall have the following meanings:

(1) "Commissioner" means the Commissioner of Environmental Protection;

(2) "Wetland" means those areas which border on or lie beneath tidal waters, such as, but not limited to banks, bogs, salt marsh, swamps, meadows, flats, or other low lands subject to tidal action, including those areas now or formerly connected to tidal waters, and whose surface is at or below an elevation of one foot above local extreme high water; and upon which may grow or be capable of growing some, but not necessarily all, of the following:

Salt meadow grass (*Spartina patens*), spike grass (*Distichlis spicata*), black grass (*Juncus gerardi*), saltmarsh grass (*Spartina alterniflora*), saltworts (*Salicornia Europaea*, and *Salicornia bigelovii*), sea lavender (*Limonium carolinianum*), saltmarsh bulrushes (*Scirpus robustus* and *Scirpus paludosus* var. *atlanticus*), sand spurrey (*Spergularia marina*), switch grass (*Panicum virgatum*), tall cordgrass (*Spartina pectinata*), high-tide bush (*Iva frutescens* var. *oraria*), cattails (*Typha angustifolia*, and *Typha latifolia*), spike rush (*Eleocharis rostellata*), chairmaker's rush (*Scirpus americana*), bent grass (*Agrostis palustris*), and sweet grass (*Hierochloa odorata*), royal fern (*Osmunda regalis*), interrupted fern (*Osmunda claytoniana*), cinnamon fern (*Osmunda cinnamomea*), sensitive fern (*Onoclea sensibilis*), marsh fern (*Dryopteris thelypteris*), bur-reed family (*Sparganium eurycarpum*, *Sparganium androcladum*, *Sparganium americanum*, *Sparganium chlorocarpum*, *Sparganium angustifolium*, *Sparganium fluctuans*, *Sparganium minimum*), horned pondweed (*Zannichellia palustris*), water-plantain (*Alisma triviale*), arrowhead (*Sagittaria subulata*, *Sagittaria graminea*, *Sagittaria eatoni*, *Sagittaria engelmanniana*), wild rice (*Zizania aquatica*), tuckahoe (*Peltandra virginica*), water-arum (*Calla palustris*), skunk cabbage (*Symplocarpus foetidus*), sweet flag (*Acorus calamus*), pickerelweed (*Pontederia cordata*), water stargrass (*Heteranthera dubia*), soft rush (*Juncus effusus*), false hellebore (*Veratrum viride*), slender blue flag (*Iris prismatica* pursh), blue flag (*Iris versicolor*), yellow iris (*Iris pseudacorus*), lizard's tail (*Saururus cernuus*), speckled alder (*Alnus rugosa*), common alder (*Alnus serrulata*), arrow-leaved tearthumb (*Polygonum sagittatum*), halberd-leaved tearthumb (*Polygonum arifolium*), spatter-dock (*Nuphar variegatum* *nuphar advena*), marsh marigold (*Caltha palustris*), swamp rose (*Rosa palustris*), poison ivy (*Rhus radicans*), poison sumac (*Rhus vernix*), red maple (*Acer rubrum*), jewelweed (*Impatiens capensis*), marshmallow (*Hibiscus palustris*), loosestrife (*Lythrum alatum*, *lythrum salicaria*), red osier (*Cornus stolonifera*), red willow (*Cornus amomum*), silky dogwood (*Cornus obliqua*), sweet pepper-bush (*Clethra alnifolia*), swamp honeysuckle (*Rhododendron viscosum*), high-bush blueberry (*Vaccinium corymbosum*), cranberry (*Vaccinium macrocarpon*), sea lavender (*Limonium nashii*), climbing hemp-weed (*Mikania scandens*), joe pye weed (*Eupatorium purpureum*), joe pye weed (*Eupatorium maculatum*), thoroughwort (*Eupatorium perfoliatum*);

(3) "Regulated activity" means any of the following: Draining, dredging, excavation, or removal of soil, mud, sand, gravel, aggregate of any kind or rubbish from any wetland or the dumping, filling or depositing thereon of any soil, stones, sand, gravel, mud, aggregate of any kind, rubbish or similar material, either directly or otherwise, and the erection of structures, driving of pilings, or placing of obstructions, whether or not changing the tidal ebb and flow. Notwithstanding the foregoing, "regulated activity" shall not include activities conducted by, or under the authority of, the Department of Environmental Protection for the purposes of mosquito control, conservation activities of the state Department of Environmental Protection, the construction or maintenance of aids to navigation which are authorized by governmental authority and the emergency decrees of any duly appointed health officer of a municipality acting to protect the public health.....

SOIL & ENVIRONMENTAL SERVICES, INC.

Martina A. Castanho – Soil Scientist, CT LEP

Certified Professional Soil Scientist #2302 (SSSA)
Professional Soil Scientist Member (SSSSNE)
CT Licensed Environmental Professional (LEP #236)

BS Natural Resources, University of Rhode Island, 1978.
Thirty-seven years experience

Experience:

Five years Soil Conservationist and Soil Scientist, USDA-NRCS (SCS).
Three years Environmental Scientist, US EPA,
SES, Inc. – President, Soil Scientist, CTLEP. Twenty-five years - soil investigations, wetland delineations, Phase I, II, II Environmental Assessments, soil and water sampling, contaminated site remediation, and permeability testing.

Donald J. Fortunato – Soil Scientist, CT LEP

Certified Professional Soil Scientist #2278 (SSSA)
Professional Soil Scientist Member (SSSSNE)
CT Licensed Environmental Professional (LEP #235)

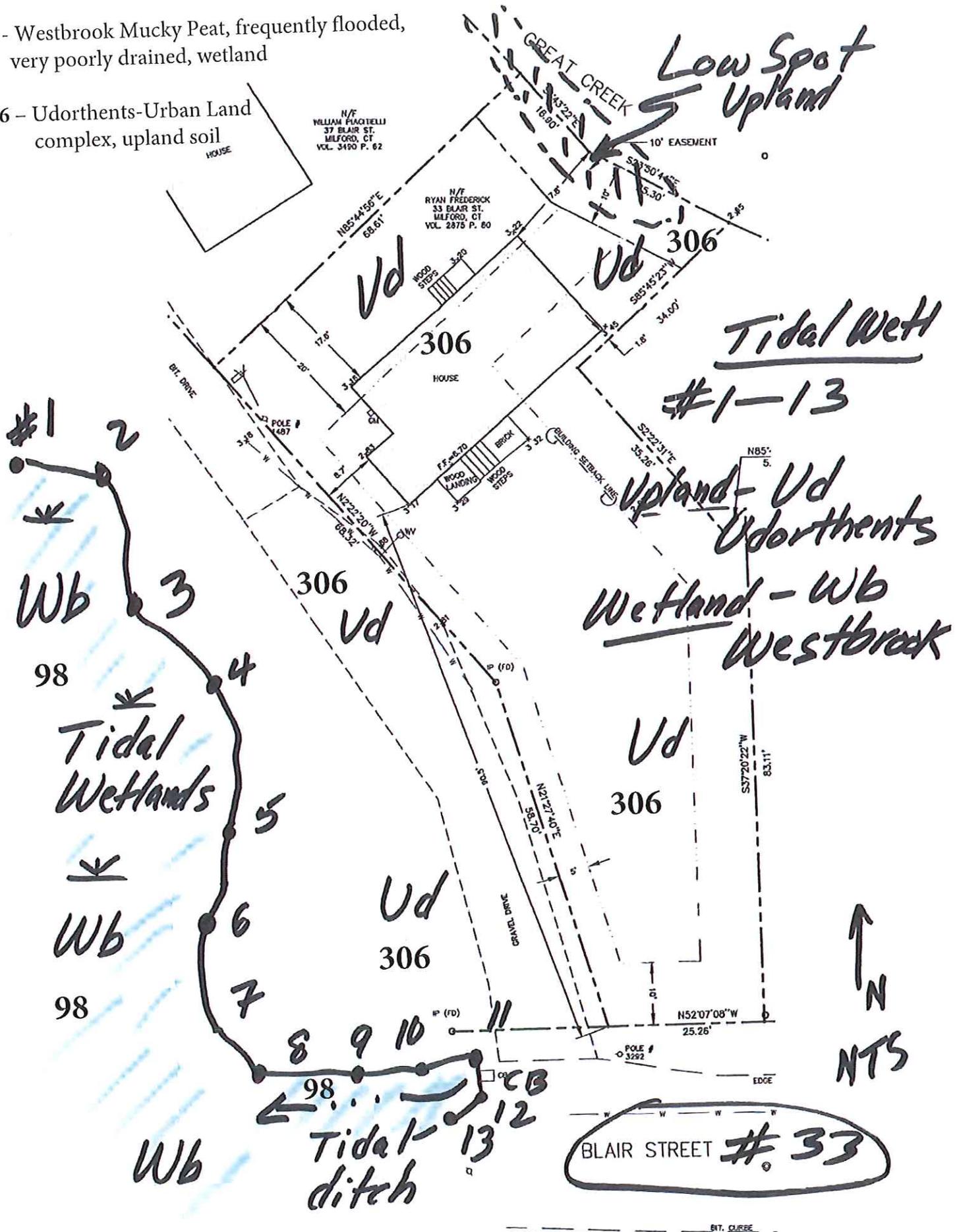
BS Environmental Science, Stockton State College, 1975. Graduate study in soil science, Rutgers University 1977-78.
Forty years experience

Experience:

Nine years District Conservationist, Soil Conservationist, USDA-NRCS (SCS).
SES, Inc. - Twenty-seven years SES Soil Scientist, soil investigations, wetland delineations, soil and water sampling, Phase I, II, II Environmental Assessments, contaminated site remediation, and soil permeability testing.

98 - Westbrook Mucky Peat, frequently flooded, very poorly drained, wetland

306 - Udorthents-Urban Land complex, upland soil



Tidal Wetland

#1-13

Upland - Ud
Udorthents

Wetland - Wb
Westbrook

↑ N
NTS

BLAIR STREET #33

Tidal Wetlands

Tidal ditch

Wb

Ud

Ud

Ud

Ud

Wb

Wb

98

98

98

98

98

98

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

Attachment 13B – Checklist Item 14C Documentation – Certificate of Permission CT DEEP



79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

March 3, 2016

Ryan Frederick
29 Howard Court
Milford, CT 06460

Subject: Certificate of Permission #201600508-SJ
33 Blair Street, Milford

Dear Mr. Frederick:

Enclosed please find a copy of the certificate of permission ("certificate") which is being issued pursuant to your application of January 20, 2016. Your attention is directed to the conditions of the enclosed certificate. All work must conform to that which is specifically authorized by this certificate. Any work in tidal wetlands or waterward of mean high water upstream of the Great Creek tide gate which has not been authorized by a valid permit or certificate is a violation of state law and subject to enforcement action by the Department of Energy and Environmental Protection and the Office of the Attorney General.

Your initiation of authorized activities will be relied upon as your agreement to comply with the terms and conditions of the certificate. Please note that Appendix B of the certificate has been enclosed for your convenience to comply with Connecticut General Statutes Section 22a-363g. Also, the Permit Notice, found at the back of your authorization, must be posted at the work area while the work is being undertaken. Please refer to the SPECIAL TERMS AND CONDITIONS of your certificate for further details.

If you have not already done so, you should contact your local Planning and Zoning Office to determine local permit requirements for your project. Also, your activity may be eligible for General Permit authorization from the U.S. Army Corps of Engineers ("Corps"). Most maintenance and reconstruction activities require no further authorization from the Corps. Other activities, generally involving work in tidal wetlands or other special aquatic sites, and in or near a federal Navigation Project or involving filling, must receive written authorization from the Corps prior to beginning work. The State of Connecticut will automatically forward this certificate to the Corps for its determination of General Permit eligibility. You do not need to apply directly to the Corps unless they notify you. For more information regarding this federal process, you may write to the Corps New England Division, Regulatory Branch, 696 Virginia Road,

Ryan Frederick
COP# 201600508-SJ

March 3, 2016
Page 2 of 2

Concord, Massachusetts, 02254 or call 978-318-8335 or 800-343-4789.

Sincerely,



Susan Jacobson, Environmental Analyst
Office of Long Island Sound Programs
Bureau of Water Protection and Land Reuse

Enclosure – COP #201600508-SJ

cc: File #201600508-SJ

via e-mail: MaryRose Palumbo, City of Milford
Municipal CEO
Corps
Harbor Master



CERTIFICATE OF PERMISSION

Certificate No: 201600508-SJ
Municipality: Milford
Site of Activity: Great Creek off property located at 33 Blair Street
Certificate Holder: Ryan Frederick
29 Howard Court
Milford, CT 06460

Pursuant to section 22a-363b of the Connecticut General Statutes (“CGS”) and in accordance with CGS sections 22a-359 to 22a-363g, 22a-98, and the Connecticut Water Quality Standards effective February 25, 2011, a certificate of permission (“certificate”) is hereby granted to relocate, rebuild and elevate a home for flood hazard mitigation as is more specifically described below in the SCOPE OF AUTHORIZATION. The work performed shall conform to the terms and conditions of this certificate.

*******NOTICE TO CERTIFICATE HOLDERS AND CONTRACTORS*******

UPON INITIATION OF ANY WORK AUTHORIZED HEREIN, THE CERTIFICATE HOLDER ACCEPTS AND AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF THIS CERTIFICATE. FAILURE TO CONFORM TO THE TERMS AND CONDITIONS OF THIS CERTIFICATE MAY SUBJECT THE CERTIFICATE HOLDER AND ANY CONTRACTOR TO ENFORCEMENT ACTIONS, INCLUDING INJUNCTIONS AS PROVIDED BY LAW AND PENALTIES UP TO \$1,000.00 PER DAY PURSUANT TO THE ADMINISTRATIVE CIVIL PENALTY POLICY DESCRIBED IN SECTIONS 22a-6b-1 THROUGH 22a-6b-15 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES.

SCOPE OF AUTHORIZATION

The Certificate Holder is hereby authorized to conduct the following work as described in application number 201600508-SJ, including two sheets of plans with an undated location map and a site plan based on a September 11, 2015 Topographic and Boundary Survey, submitted by the Certificate Holder to the Commissioner of Energy and Environmental Protection (“Commissioner”) and attached hereto:

1. relocate, rebuild and elevate a home to comply with FEMA standards; and
2. add a deck and stairway.

SPECIAL TERMS AND CONDITIONS

1. The Certificate Holder shall file Appendix B on the land records of the municipality in which the subject property is located not later than thirty (30) days after certificate issuance pursuant to CGS Section 22a-363g. A copy of Appendix B with a stamp or other such proof of filing with the municipality shall be submitted to the Commissioner no later than sixty (60) days after certificate issuance.
2. There shall be no square footage increase in the living area below the mean high water elevation.
3. Any dewatering shall include on-site treatment prior to discharge.
4. The Certificate Holder shall give a copy of this certificate to the contractor(s) who will be carrying out the activities authorized herein prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Certificate Holder's contractor(s) shall conduct all operations at the site in full compliance with this certificate and, to the extent provided by law, may be held liable for any violation of the terms and conditions of this certificate. At the work area the contractor(s) shall, whenever work is being performed, make available for inspection a copy of this certificate and the final plans for the work authorized herein.
5. The Certificate Holder shall post the attached Permit Notice in a conspicuous place at the work area while the work authorized herein is undertaken.
6. Except as specifically authorized by this certificate, no equipment or material including, but not limited to, fill, construction materials, excavated material or debris, shall be deposited, placed or stored in any wetland or watercourse on or off-site, nor shall any wetland or watercourse be used as a staging area or accessway other than as provided herein.
7. All waste material generated by the performance of the work authorized herein shall be disposed of by the Certificate Holder at an upland site approved for the disposal of such waste material, as applicable.

GENERAL TERMS AND CONDITIONS

1. All work authorized by this certificate shall be completed within three (3) years from date of issuance of this certificate ("work completion date") in accordance with all conditions of this permit and any other applicable law.
 - a. The Certificate Holder may request a one-year extension of the work completion date. Such request shall be in writing and shall be submitted to the Commissioner at least thirty (30) days prior to said work completion date. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. It shall be the Commissioner's sole discretion to grant or deny such request.

- b. Any work authorized herein conducted after said work completion date or any authorized one- year extension thereof is a violation of this certificate and may subject the Certificate Holder to enforcement action, including penalties, as provided by law.
2. In conducting the work authorized herein, the Certificate Holder shall not deviate from the attached plans, as may be modified by this certificate. The Certificate Holder shall not make de minimis changes from said plans without prior written approval of the Commissioner.
3. The Certificate Holder may not conduct work waterward of mean high water or in tidal wetlands at this certificate site other than the work authorized herein, unless otherwise authorized by the Commissioner pursuant to CGS section 22a-359 et. seq. and/or CGS section 22a-28 et. seq.
4. The Certificate Holder shall maintain all structures or other work authorized herein in good condition. Any such maintenance shall be conducted in accordance with applicable law including, but not limited to, CGS sections 22a-28 through 22a-35 and CGS sections 22a-359 through 22a-363g.
5. In undertaking the work authorized hereunder, the Certificate Holder shall not cause or allow pollution of wetlands or watercourses, including pollution resulting from sedimentation and erosion. For purposes of this certificate, "pollution" means "pollution" as that term is defined by CGS section 22a-423.
6. Upon completion of any work authorized herein, the Certificate Holder shall restore all areas impacted by construction, or used as a staging area or accessway in connection with such work, to their condition prior to the commencement of such work.
7. The Certificate Holder shall allow any representative of the Commissioner to inspect the work authorized hereunder at reasonable times to ensure that it is being or has been accomplished in accordance with the terms and conditions of this certificate.
8. This certificate is not transferable without prior written authorization of the Commissioner. A request to transfer a certificate shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Certificate Holder's obligations under this certificate shall not be affected by the passage of title to the certificate site to any other person or municipality until such time as a transfer is authorized by the Commissioner.
9. Any document required to be submitted to the Commissioner under this certificate or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:

Permit Section
Office of Long Island Sound Programs
Department of Energy and Environmental Protection
79 Elm Street
Hartford, Connecticut 06106-5127
(860) 424-3034
Fax # (860) 424-4054

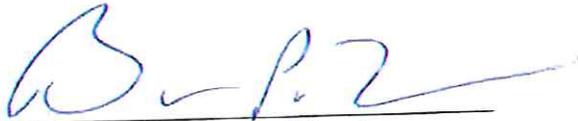
10. The date of submission to the Commissioner of any document required by this certificate shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this certificate, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three (3) days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this certificate, the word "day" as used in this certificate means calendar day. Any document or action which is required by this certificate to be submitted or performed by a date which falls on a Saturday, Sunday or a Connecticut or federal holiday shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or a Connecticut or federal holiday.
11. Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under this certificate shall be signed by Certificate Holder and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense."
12. In evaluating the application for this certificate the Commissioner has relied on information and data provided by the Certificate Holder and on the Certificate Holder's representations concerning site conditions, design specifications and the proposed work authorized herein, including but not limited to representations concerning the commercial, public or private nature of the work or structures authorized herein, the water-dependency of said work or structures, its availability for access by the general public, and the ownership of regulated structures or filled areas. If such information proves to be false, deceptive, incomplete or inaccurate, this certificate may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.
13. In granting this certificate, the Commissioner has relied on all representations of the Certificate Holder, including information and data provided in support of the Certificate Holder's application. Neither the Certificate Holder's representations nor the issuance of this certificate shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.
14. In the event that the Certificate Holder becomes aware that he did not or may not comply, or did not or may not comply on time, with any provision of this certificate or of any document required hereunder, the Certificate Holder shall immediately notify the Commissioner and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the Commissioner, the Certificate Holder shall state in writing the reasons for the noncompliance or delay and propose, for the review and written approval of the Commissioner, dates by which compliance will be achieved, and the Certificate Holder shall comply with any dates which may be approved in writing by the Commissioner. Notification by the Certificate Holder shall not excuse noncompliance or delay and the Commissioner's approval of any compliance dates

proposed shall not excuse noncompliance or delay unless specifically stated by the Commissioner in writing.

15. This certificate may be revoked, suspended, or modified in accordance with applicable law.
16. The issuance of this certificate does not relieve the Certificate Holder of his obligations to obtain any other approvals required by applicable federal, state and local law.
17. This certificate is subject to and does not derogate any present or future property rights or powers of the State of Connecticut, and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the property or activity affected hereby.

Issued on March 2, 2016.

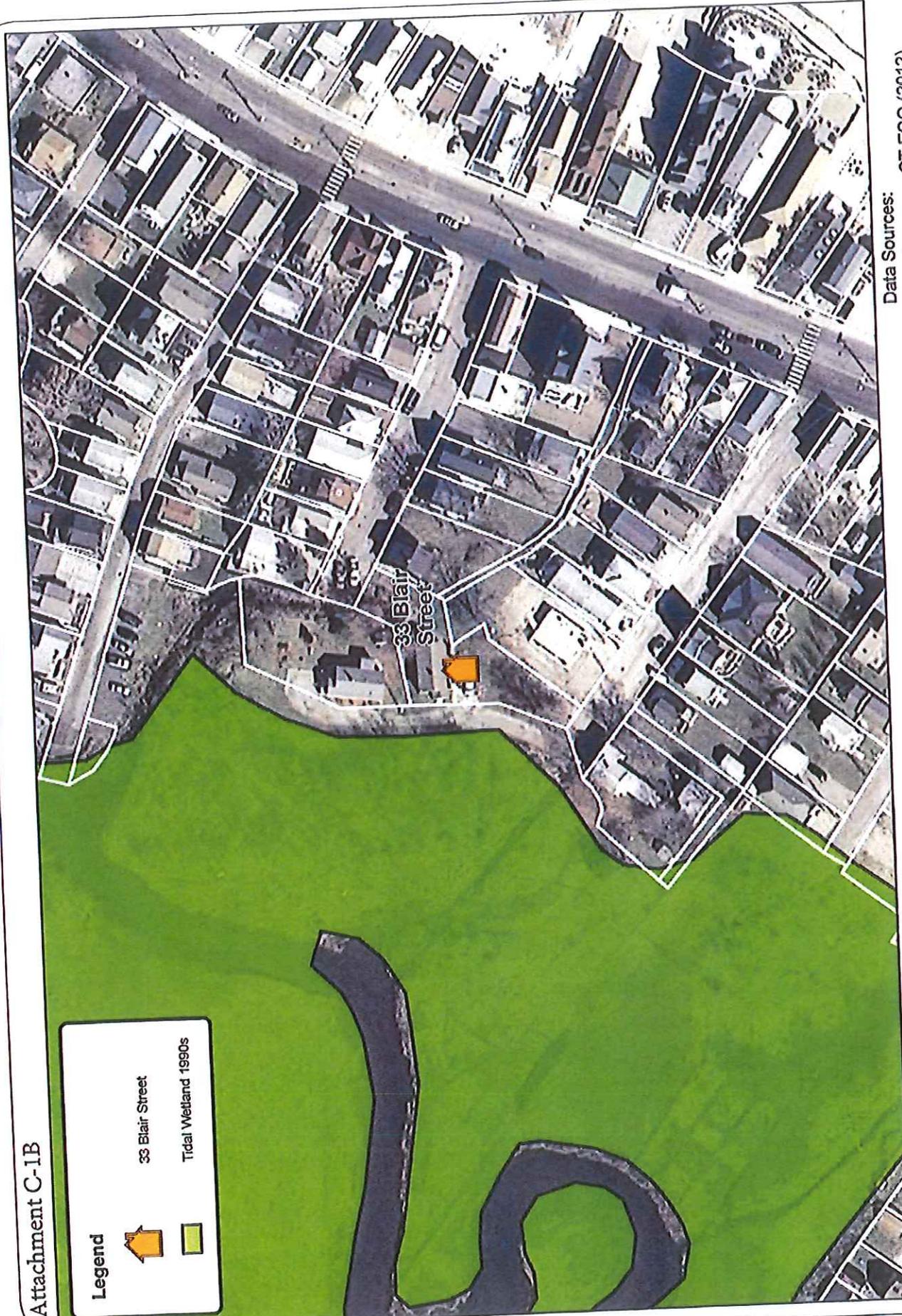
STATE OF CONNECTICUT
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION



Brian P. Thompson, Director
Office of Long Island Sound Programs
Bureau of Water Protection and Land Reuse

Certificate of Permission No. 201600508-SJ
Ryan Frederick

Attachment C-1B



Legend

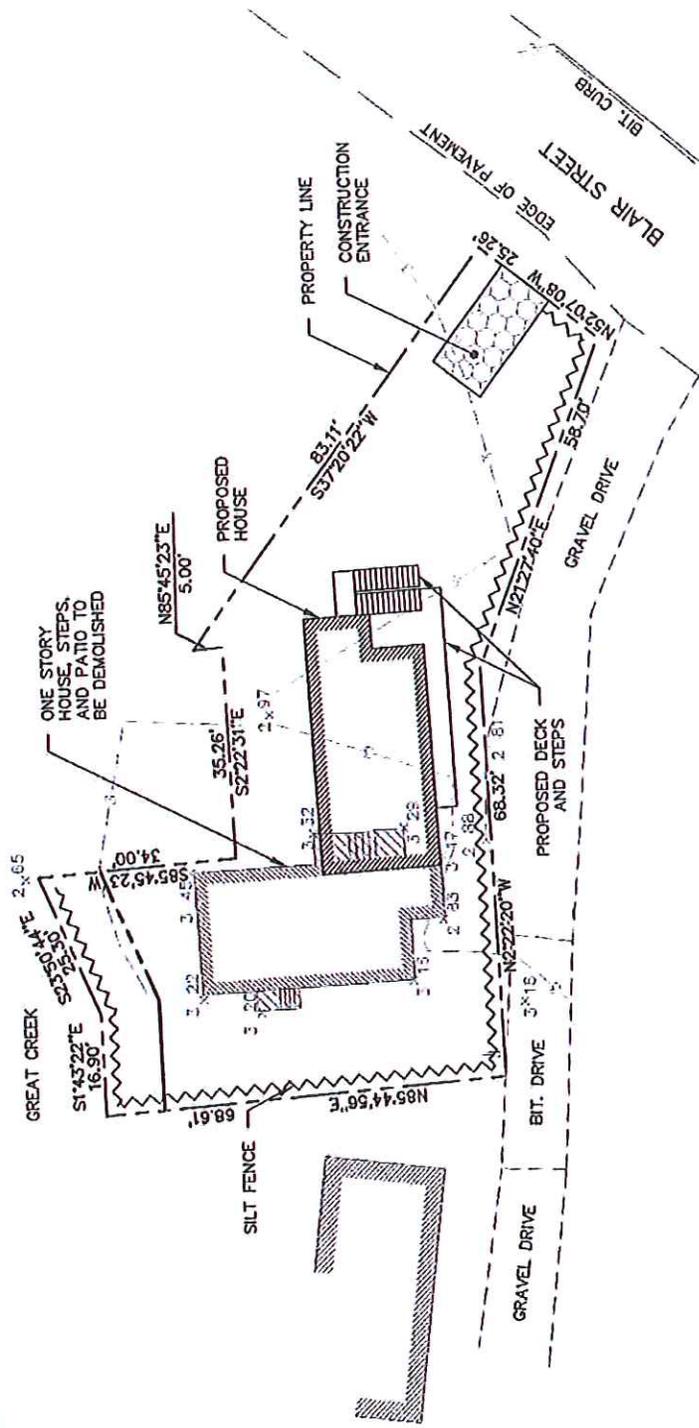
-  33 Blair Street
-  Tidal Wetland 1990s

Data Sources:
Aerial Imagery - CT ECO (2012)
Parcel Lines - CT ECO (2011)
Tidal Wetlands - CT ECO (1990s)

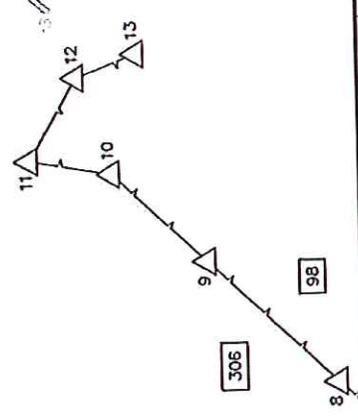


MCA
MARTINEZ COUCH & ASSOCIATES, LLC





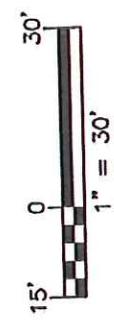
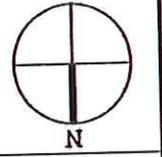
SILVER SANDS STATE PARK



SOIL TYPE LEGEND	
98	WESTBROOK MUCKY PEAT, FREQUENTLY FLOODED, VERY POORLY DRAINED, WETLAND SOIL
306	UDORTHEMIS-URBAN LAND COMPLEX, UPLAND SOIL

SYMBOLS LEGEND	
△#	WETLAND FLAG LABEL
##	SOIL TYPE LABEL
—	LIMIT OF WETLANDS

REFERENCE MAP:
 1. "TOPOGRAPHIC & BOUNDARY SURVEY" FOR CTDOH AT 33 BLAIR STREET, MILFORD, CONNECTICUT;
 DATE: 09-01-2015; SCALE: 1"=10'; PREPARED BY MARTINEZ COUCH & ASSOCIATES, LLC



PROJECT 5057
 33 BLAIR STREET
 MILFORD, CONNECTICUT 06460

MCA
 MARTINEZ COUCH & ASSOCIATES, LLC

SITE PLAN

OFFICE OF LONG ISLAND SOUND PROGRAMS

APPENDIX A
NOT APPLICABLE

TO: Permit Section
Department of Energy and Environmental Protection
Office of Long Island Sound Programs
79 Elm Street
Hartford, CT 06106-5127

Certificate Holder: **APPENDIX A – NOT APPLICABLE**

Certificate No:

CONTRACTOR 1: _____

Address: _____

Telephone #: _____

CONTRACTOR 2: _____

Address: _____

Telephone #: _____

CONTRACTOR 3: _____

Address: _____

Telephone #: _____

EXPECTED DATE OF COMMENCEMENT OF WORK: _____

EXPECTED DATE OF COMPLETION OF WORK: _____

PERMITTEE: _____
(signature) (date)



OFFICE OF LONG ISLAND SOUND PROGRAMS

APPENDIX B

NOTICE OF CERTIFICATE ISSUANCE
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION

To: Milford City Clerk

**Signature and
Date:**

Debra P. Smith 3/3/16

Subject: 33 Blair Street
Certificate of Permission #201600508-SJ

Pursuant to Section 22a-363g and Section 22a-363b of the Connecticut General Statutes, the Commissioner of Energy and Environmental Protection gives notice that a certificate has been issued to **Ryan Frederick**, 29 Howard Court, Milford, CT, 06460 to:

rebuild and elevate a home to comply with FEMA standards.

If you have any questions pertaining to this matter, please contact the Office of Long Island Sound Programs at 860-424-3034.



PERMIT NOTICE

This Certifies that Authorization to perform work below Mean High Water and/or within Tidal Wetlands of coastal, tidal, or navigable waters of Connecticut

has been issued to: **Ryan Frederick**

at this location: **33 Blair Street, Milford**

to conduct the following:

rebuild and elevate a home to comply with FEMA standards.

Permit #: **201600508-SJ**

Issued on: *3/2/2016* *SJ*

This Authorization expires on: *3/2/2019*

This Notice must be posted in a conspicuous place on the job during the entire project.

Department of Energy and Environmental Protection
Office of Long Island Sound Programs
79 Elm Street • Hartford, CT 06106-5127
Phone: (860) 424-3034 Fax: (860) 424-4054
www.ct.gov/deep



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

Attachment 14 – Checklist Item 14D Documentation – City of Milford Inlands Wetlands Letter



City of Milford, Connecticut

- Founded 1639 -

Inland Wetlands Office
inlandwetland@ci.milford.ct.us

70 West River Street
Milford, CT 06460-3317
Tel 203-783-3256
FAX 203-783-3303

January 27, 2017

Mr. Matthew Ranando
Martinez Couch & Associates, LLC
1084 Cromwell Avenue, Suite A-2
Rocky Hill, Connecticut 06067

Re: IW-JR-17-003: 33 Blair St; Map 27 Block 452 Parcel 10A; Ryan Fredrick; Proposal to raze existing structure and replace with elevated modular home with addition of decks and stairs for access with no work proposed within 100' of an inland wetland or watercourse in the South Central Shoreline Watershed.

Dear Mr. Ranando:

The Milford Inland Wetlands and Watercourses Agency has received your plans entitled "Project 5057 33 Blair Street, Milford, Connecticut 06460" by Martinez Couch & Associates, LLC, 3 sheets undated, Soil report dated 11/30/15 from Soil & Environmental Services and Connecticut Department of Energy and the Environment Office of Long Island Sound Certificate of Permission #201600508-SJ dated 3/03/16. A review of this information and the MIWA maps reveals no work is proposed within 100' of an *inland wetland* in the South Central Shoreline Watershed. This proposed work does not appear to have the potential to adversely impact *inland wetlands*. Therefore, under section 2 of the MIWA Regulations a permit is not required from the MIWA at this time.

Please be advised that this letter applies only to the specific plans noted above. **Any** revision of these plans will require further review by this Agency. You are responsible for contacting other permitting authorities to determine if additional Local, State and Federal permits are required for this project. Best Management practices and proper sedimentation and soil erosion controls as found in the "2002 Connecticut Guidelines for Sedimentation and Erosion Controls" should be implemented on site to prevent degradation of offsite wetlands.

Should you have any questions concerning this matter, please contact the Inland Wetlands Agency Office at 203-783-3256.

Sincerely,


MaryRose Palumbo
Inland Wetlands Compliance Officer

c: DPLU
Planning & Zoning
City Engineer



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

Attachment 15 – Checklist Item 14E Documentation – Planning and Zoning Approval Letter



City of Milford, Connecticut

- Founded 1639 -

70 West River Street - Milford, CT 06460-3317

Tel 203-783-3245 FAX 203-783-3303

Website: www.ci.milford.ct.us

Email: planning@ci.milford.ct.us

Planning and Zoning
Board

David B. Sulkis, A.I.C.P.
City Planner

May 16, 2017

Matthew Randando, PE
Martinez Couch Associates LLC
1084 Cromwell Avenue
Rocky Hill, CT 06067

Re: 33 Blair Street – Special Permit and CAMSPR

Dear Mr. Randando:

At its meeting held on Tuesday, April 18, 2017, the Planning and Zoning Board voted to approve your request for a Special Permit and Coastal Area Management Site Plan Review to construct a single family residence on Map 27, Block 452, Parcel 10A, in the R-5 zone, of which Ryan Frederick is the owner.

Approval is in accordance with the CAMSPR report and plans prepared by Martinez Couch Associates LLC a, which are described as follows:

Sheet	Description	Date	Revised
T-0.0	Title Sheet	1/27/2017	3/28/2017
1 of 1	Topographic and Boundary Survey	4/22/2016	3/31/2017
C-1.1	Soil Erosion & Sediment Control/Demolition Plan	1/27/2017	3/28/2017
C-1.2	Site Plan	1/27/2017	3/28/2017
C-2.0	Soil Erosion & Sediment Control Details	1/27/2017	3/28/2017
C-2.1	Site Details	1/27/2017	3/28/2017
C-2.2	Utility Details	1/27/2017	3/28/2016 (Scrivner's error)
A-1.0	Proposed Floor Plan - 1	1/27/2017	3/28/2017
A-1.1	Proposed Floor Plan - 2	1/27/2017	3/28/2017
A-2.0	Building Elevations	1/27/2017	3/28/2017
A-3.0	Architectural Details	1/27/2017	3/28/2017
A-5.0	Details and Schedules	1/27/2017	3/28/2017
S1	Pile Layout & Foundation Plan	1/27/2017	3/28/2017
S2	Foundation Design – First Floor Framing Support Plan	1/27/2017	3/28/2017
S3	Foundation Design – Structural Notes & Sections	1/27/2017	3/28/2017

Approval will be in accordance with the Improvement Location Plan dated 3/28/2012, and compliance with the comments by Gregory Pidluski, City Engineer, dated March 22, 2017.

Matthew Randando, PE
May 16, 2017

-2-

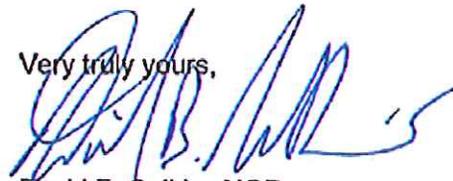
Re: 33 Blair Street – Special Permit and CAMSPR

A Special Permit certificate must be filed on the land records in the City Clerk's office prior to obtaining a zoning permit, and is being retained in this office for your retrieval.

Please provide this office with the full construction sets so that the Planning and Zoning Board set can be added to them and at that point a zoning permit can be issued.

Please **do not include** in the construction sets the materials already provided to the Planning and Zoning office. All construction mitigations are required to be installed prior to the start of the project.

Very truly yours,



David B. Sulkis, AICP
City Planner

DBS/pl
Via Registered Mail

C: Joseph D. Griffith, Director, DPLU