

ENVIRONMENTAL REVIEW REPORT

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

Applicant # 1237

**17 Ann Street
Milford, Connecticut**

September 5, 2014

Prepared by:

**Diversified Technology Consultants
2321 Whitney Avenue
Hamden, Connecticut 06518**



Department of Economic and
Community Development

Connecticut
still revolutionary

1237 CF

May 13, 2013

received
5-21-14 DHH

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

Subject: CDBG-DR Review
Proposed Rehabilitation of
17 Ann Street, Milford, CT

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.

Based on the information provided, we would need additional plans and specifications in order to make a determination of effect for the project. We have determined, however, that the property is located within and contributing to the proposed Walnut Beach National Register District.

For further information please contact me, at (860) 256-2766 or stacey.vairo@ct.gov.

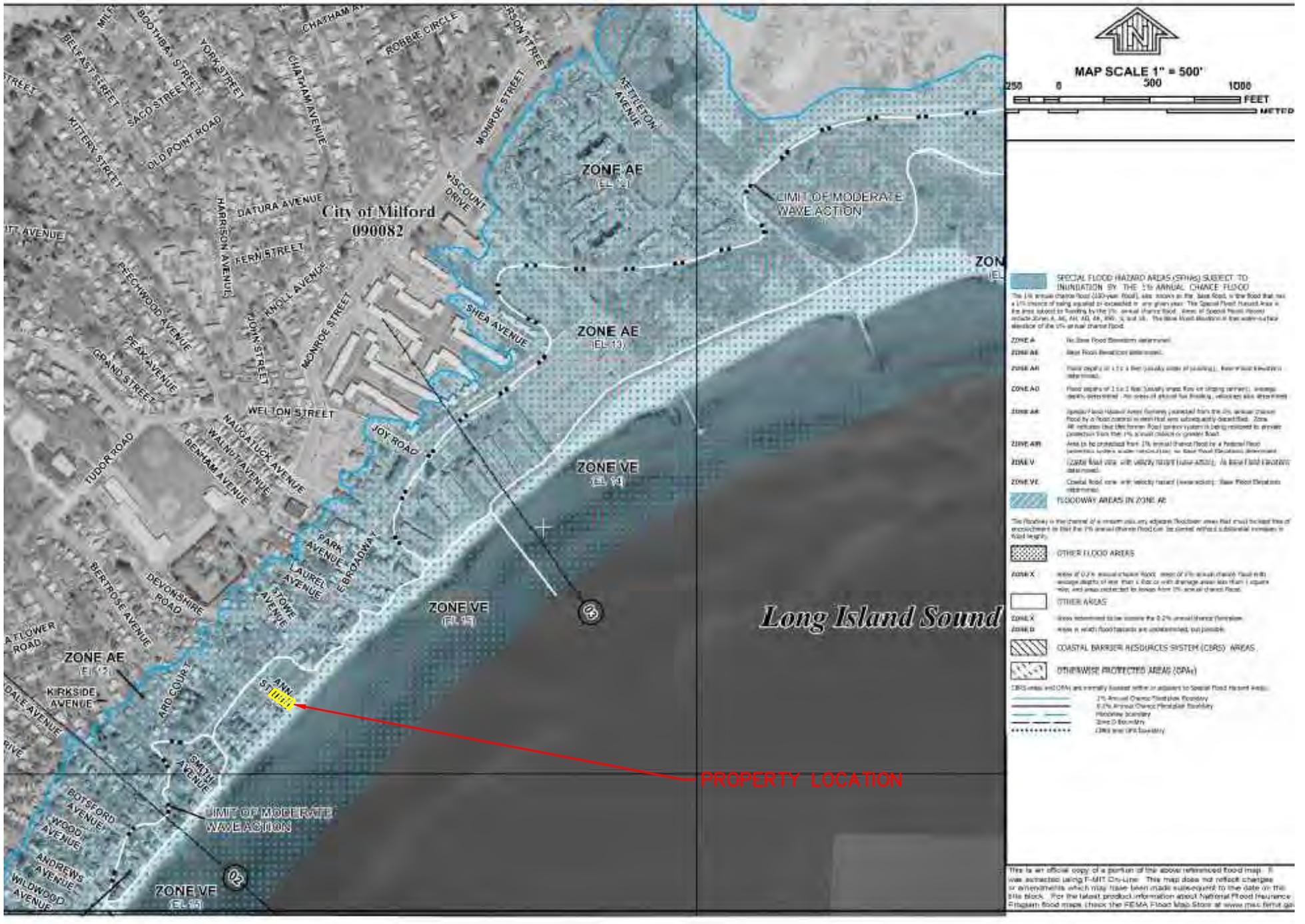
Sincerely,

Stacey Vairo
Deputy State Historic Preservation Officer

State Historic Preservation Office

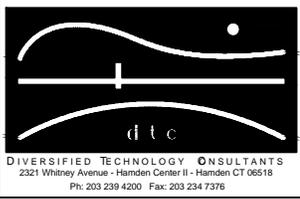
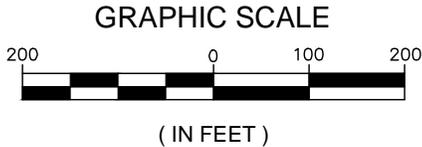
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MAP SOURCE: TOWN OF MILFORD GIS

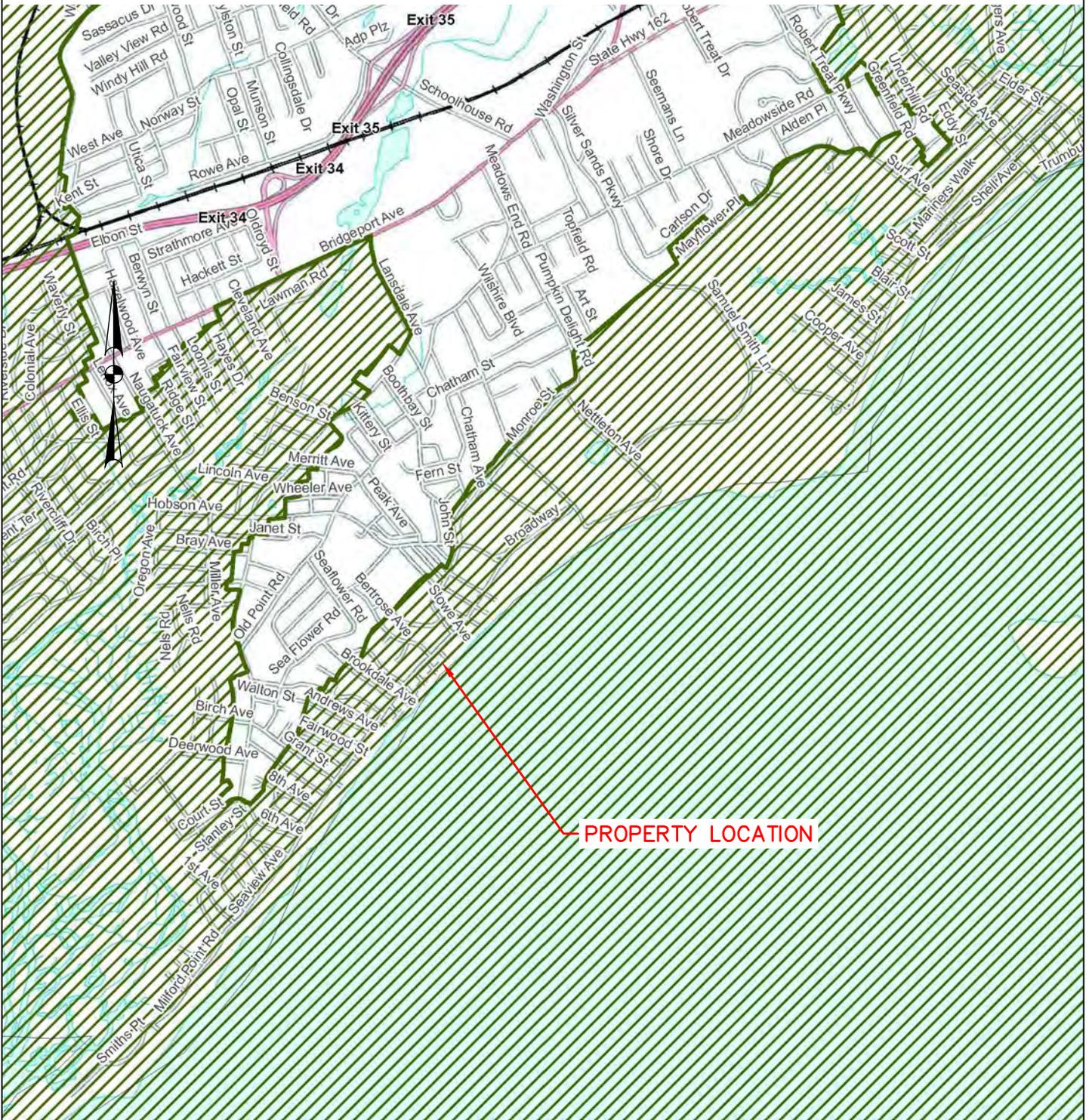


DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY
17 ANN STREET
MILFORD, CT

PROJECT NUMBER: 13-449-019 APPLICANT NO: 1237

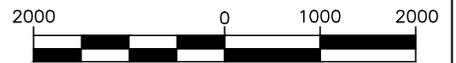
ATTACHMENT 4
WETLANDS MAP

SCALE: 1"=200' DRAWN BY: LEC
DATE: 07/15/2014 CHECKED BY: JAB

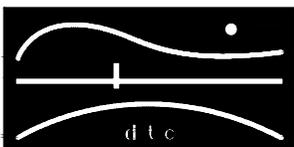


Coastal Boundary

GRAPHIC SCALE



(IN FEET)



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2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
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COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY

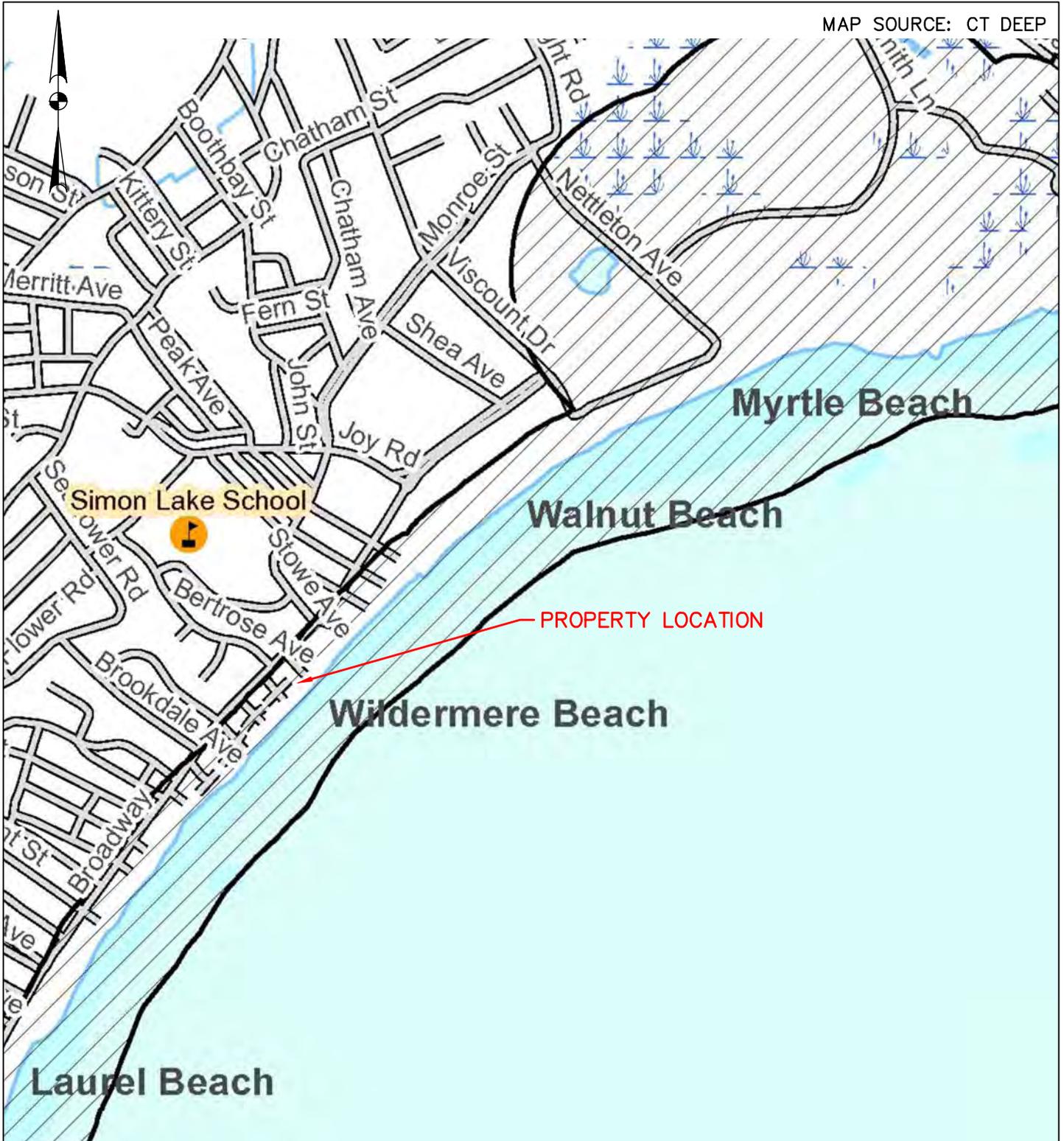
17 ANN STREET
MILFORD, CT

ATTACHMENT 5
CAM AREA MAP

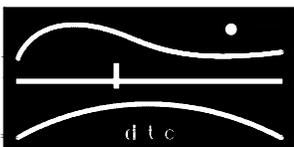
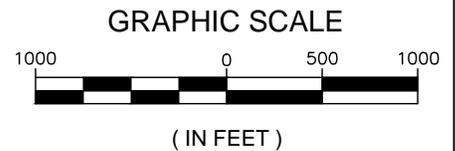
SCALE: 1"=2000' DRAWN BY: LEC

DATE: 07/15/2014 CHECKED BY: JAB

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 State and Federal Listed Species and Significant Natural Communities*



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DISASTER RECOVERY

17 ANN STREET
MILFORD, CT

ATTACHMENT 6
NDDB AREAS

SCALE: 1"=1000' DRAWN BY: LEC

DATE: 07/15/2014 CHECKED BY: JAB

PROJECT NUMBER: 13-449-019 APPLICANT NO: 1237



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

ATTACHMENT 7

June 19, 2014

Ms. Lauren Coles
Diversified Technology Consultants
2321 Whitney Ave., Suite 301
Hamden, CT 06518
Lauren.coles@teamdte.com

Project: Department of Housing Community Disaster Block Grant Disaster Relief for Demolition and Repair of Property at 17 Ann Street in Milford, Connecticut
NDDDB Preliminary Assessment No.: 201406778

Dear Lauren,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map provided for the proposed Department of Housing Community Disaster Block Grant Disaster Relief for Demolition and Repair of Property at 17 Ann Street in Milford, Connecticut. According to our records there are known extant populations of state and federally threatened piping plover (*Charadrius melodus*) that occur in the vicinity of this project. The nesting season for these species extends from the end of March to the middle of August. I recommend that the work on this property not be done during the nesting season (end of April through mid-August) to protect this species. This seasonal restriction on project activities will help avoid unintentional mortality when the birds may be actively nesting. 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 June 19, 2015.

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. 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.

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,

A handwritten signature in cursive script that reads 'Dawn M. McKay'.

Dawn M. McKay
Environmental Analyst 3



U.S. Fish and Wildlife Service

Natural Resources of Concern

This resource list is to be used for planning purposes only — it is not an official species list.

Endangered Species Act species list information for your project is available online and listed below for the following FWS Field Offices:

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

Project Name:

17 Ann St. Milford, CT 06460



U.S. Fish and Wildlife Service

Natural Resources of Concern

Project Location Map:



Project Counties:

New Haven, CT

Geographic coordinates (Open Geospatial Consortium Well-Known Text, NAD83):

MULTIPOLYGON (((-73.0850282 41.1906097, -73.0850684 41.1905693, -73.0852428 41.1906783, -73.0851918 41.1907227, -73.0850282 41.1906097)))

Project Type:

** Other **



Natural Resources of Concern

Endangered Species Act Species List ([USFWS Endangered Species Program](#))

There are a total of 1 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fishes may appear on the species list because a project could cause downstream effects on the species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section below for critical habitat that lies within your project area. Please contact the designated FWS office if you have questions.

Species that should be considered in an effects analysis for your project:

Birds	Status		Has Critical Habitat	Contact
Roseate tern (<i>Sterna dougallii dougallii</i>) Population: northeast U.S. nesting pop.	Endangered	species info		New England Ecological Services Field Office

Critical habitats within your project area:

There are no critical habitats within your project area.

FWS National Wildlife Refuges ([USFWS National Wildlife Refuges Program](#))

There are no refuges found within the vicinity of your project.

FWS Migratory Birds ([USFWS Migratory Bird Program](#))

Most species of birds, including eagles and other raptors, are protected under the Migratory Bird Treaty Act (16 U.S.C. 703). Bald eagles and golden eagles receive additional protection under the [Bald and Golden Eagle Protection Act](#) (16 U.S.C. 668). The Service's [Birds of Conservation Concern \(2008\)](#) report identifies species, subspecies, and populations of all migratory nongame birds that, without additional conservation actions, are likely to become listed under the Endangered Species Act as amended (16 U.S.C 1531 et seq.).

Migratory bird information is not available for your project location.



U.S. Fish and Wildlife Service

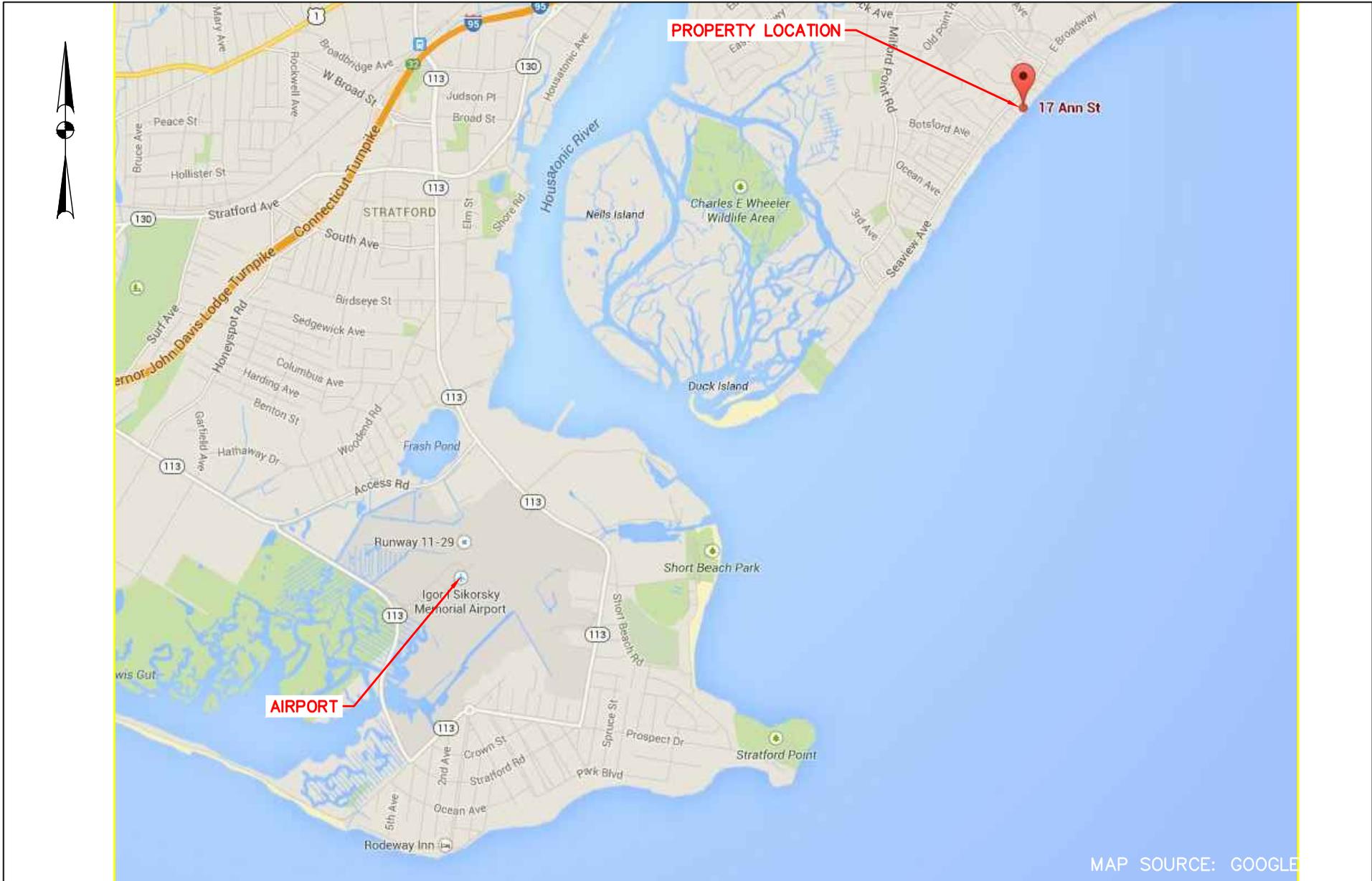
Natural Resources of Concern

NWI Wetlands ([USFWS National Wetlands Inventory](#)).

The U.S. Fish and Wildlife Service is the principal Federal agency that provides information on the extent and status of wetlands in the U.S., via the National Wetlands Inventory Program (NWI). In addition to impacts to wetlands within your immediate project area, wetlands outside of your project area may need to be considered in any evaluation of project impacts, due to the hydrologic nature of wetlands (for example, project activities may affect local hydrology within, and outside of, your immediate project area). It may be helpful to refer to the USFWS National Wetland Inventory website. The designated FWS office can also assist you. Impacts to wetlands and other aquatic habitats from your project may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal Statutes. Project Proponents should discuss the relationship of these requirements to their project with the Regulatory Program of the appropriate [U.S. Army Corps of Engineers District](#).

The following wetlands intersect your project area:

Wetland Types	NWI Classification Code	Approximate Acres
Estuarine and Marine Wetland	E2US2P	78.469156



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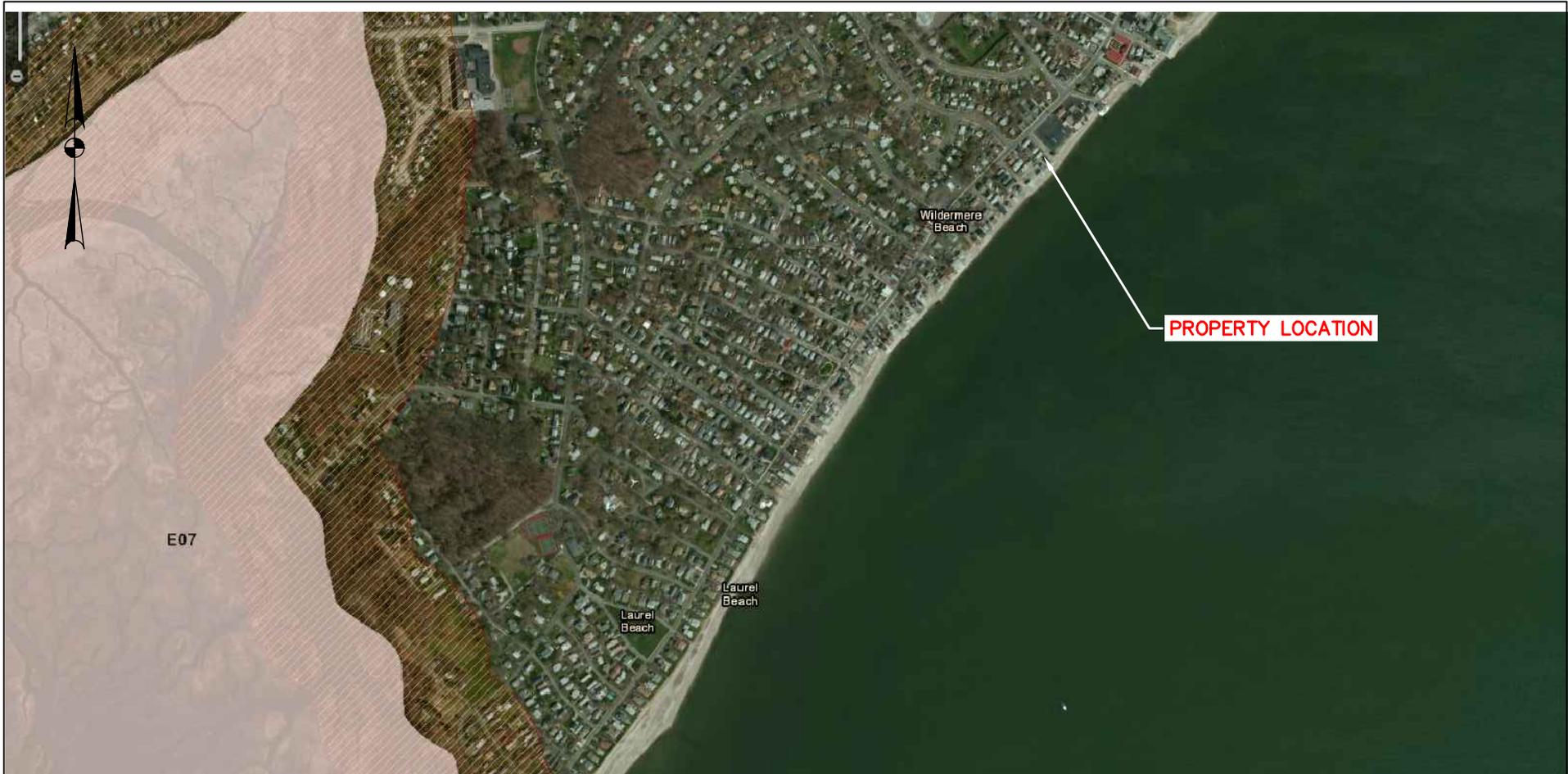
17 ANN STREET
 MILFORD, CT

ATTACHMENT 9
 AIRPORT VICINITY MAP

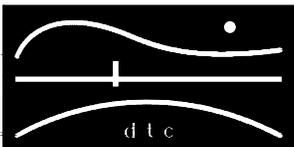
SCALE: NTS	DRAWN BY: LEC
DATE: 07/15/14	CHECKED BY: JAB

PROJECT NUMBER: 13-449-019

APPLICANT NO: 1237



MAP SOURCE: FWS COASTAL BARRIER RESOURCES



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 COMMUNITY DEVELOPMENT BLOCK GRANT
 DISASTER RECOVERY
 17 ANN STREET
 MILFORD, CT

ATTACHMENT 10
 COASTAL BARRIER MAP

PROJECT NUMBER: 13-449-019	APPLICANT NO: 1237	SCALE: NTS	DRAWN BY: LEC
		DATE: 07/15/14	CHECKED BY: JAB

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Scott Feulner
Diversified Technology Consultants (DTC)
2321 Whitney Avenue, Suite 301
Hamden, CT 06518

7/10/2014

**LEAD BASED PAINT PRE-DEMOLITION XRF SCREENING
SITE 019 (LARIA) – 17 ANN STREET, MILFORD, CT
APPLICATION #1237
CS#183-478, 6/27/2014, PAGE 1 OF 4**

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Inspection Report Synopsis	4
Recommendations	4

Attachments:

- Site Drawing – 1 page(s)
- XRF data sheets – 4 page(s)
- XRF quality evaluation sheet – 1 page(s)

Report Distribution:

Scott Feulner, DTC Scott.Feulner@teamdtc.com
Curtis Graham, DTC graham.curtis@teamdtc.com
Michael Casey, DTC michael.casey@teamdtc.com

File Location:

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**LEAD BASED PAINT PRE-DEMOLITION XRF SCREENING
SITE 019 (LARIA) – 17 ANN STREET, MILFORD, CT
APPLICATION #1237
CS#183-478, 6/27/2014, PAGE 2 OF 4**

INTRODUCTION

EXECUTIVE SUMMARY: Lead (as defined by OSHA regulations 29 CFR 1926.62) and Lead Based Paint (as defined by USC Title 15 – Chapter 53- Toxic Substance Control) **was NOT detected** on surfaces and/or components within the scope of the inspection and are not subject to hazardous waste evaluation requirements. See report details for additional information.

BUILDING DESCRIPTION: The subject building is a single-family, one-story, ranch-style house totaling approximately 1650 sq ft, which was built in 1959 of wood-frame construction. The majority of the house has already been demolished and only a 24'x15' section remains. The owner's have indicated that this remaining section of the house was an addition put on after 1980. The heating system no longer remains. The owner's do not currently occupy the house.

At the time of our screening, there were no children under the age of six residing at this subject house and the house was not being used as a daycare facility.

BACKGROUND: We understand the subject house suffered damage as a result of hurricane Sandy on October 29-30, 2012. The house is scheduled to be demolished.

SCOPE OF OUR WORK: Our work would include the following:

- XRF Screening of Lead Based Paint of representative painted surfaces prior to demolition.
- Site reference drawing.
- A hazardous waste evaluation, if needed.
- A report of the findings.

Lead paint chip, dust, soil, water and TCLP sampling are not in our scope of work.

This investigation and information provided in this report depends partly on background information provided by the client. This report is intended for the use of the client. The scope of services performed may not be appropriate for other users and any use of this report by third parties is at their sole risk. This report is intended to be used in its entirety. No excerpts may be taken to be representative of this report.

QUALIFICATIONS: The Inspection was conducted by Daniel P. Sullivan, CT DPH Certified DPH Lead Inspector/Risk Assessor #002131, Radiation Safety Training, RMD 12/2/94.

Dan was assisted by Ziyang Wang.

Chem Scope's DPH lead license # is CC000164.

**LEAD BASED PAINT PRE-DEMOLITION XRF SCREENING
SITE 019 (LARIA) – 17 ANN STREET, MILFORD, CT
APPLICATION #1237
CS#183-478, 6/27/2014, PAGE 3 OF 4**

INTRODUCTION (cont)

METHOD OF TESTING: Spectrum Analyzer XRF (x-ray fluorescence). Instrument used: RMD LPA-1, Serial # 1647 in Quick Mode. The unit source (Cobalt 57) for unit 1647 was replaced November 2nd, 2012. The XRF detects paint in all layers down to the painted substrate. In other words if lead paint is painted over with new paint, the lead paint is still detected by this procedure. When paint is covered with metal or plastic trim such as siding or by carpet, the lead paint is usually not detectable. This instrument is registered with the State of Connecticut Dept of Energy and Environmental Protection and is Generally Licensed under the NRC. This is one of the two methods, which are approved under the CT Dept of Public Health (DPH) regulations. This is a non-destructive test.

TEST PARAMETERS FOR XRF TESTING USING THIS INSTRUMENT:

OSHA 1926.62 Definition: Lead means metallic lead, all inorganic lead compounds, and organic lead soaps. Excluded from this definition are all other organic lead compounds.

XRF readings of 1.0 mg/cm² or higher are lead based paint as defined by USC Title 15 – Chapter 53- Toxic Substance Control and XRF reading with any detectable amount of lead detected are defined as Lead by OSHA standard 1926.62.

XRF CALIBRATION CHECK: Standard Reference Material (SRM) paint film nearest to 1.0 mg/cm² within the National Institute of Standards and Technology (NIST) SRM is used to Calibrate the XRF. Calibration Readings are taken at the beginning and end of a job and every four (4) hours during the job with three (3) readings per set. The expiration date of the standard used is 7/1/20.

QUALITY CONTROL PROCEDURES: The XRF is used in accordance with Manufacturer's Performance Characteristics Sheet and instructions. See test data attached for details. Ten (or if <10, then the total number of tests conducted) testing combinations for re-testing from each unit are selected and checked in either 15 second or 60 second readings.

STATEMENT ON ACCURACY: The XRF Calibration checks were acceptable with each of the three (3) readings before, during (if applicable) and after the testing between 0.7 mg/cm² and 1.3 mg/cm². See attached XRF data sheets for documentation of proper calibration check sequence.

REPORT CONVENTIONS: Rooms are sometimes given arbitrary numbers to avoid ambiguity. Please refer to the enclosed schematic drawings of the site. Samples are referenced by the side of the building they are facing, as indicated on the drawings. Side A is the street side (front), Side B is the left side, Side C is the rear and Side D is the right side.



**LEAD BASED PAINT PRE-DEMOLITION XRF SCREENING
SITE 019 (LARIA) – 17 ANN STREET, MILFORD, CT
APPLICATION #1237
CS#183-478, 6/27/2014, PAGE 4 OF 4**

INSPECTION REPORT SYNOPSIS

LOCATION NAME AND ADDRESS: Site 019 (Laria) Application #1237
17 Ann Street, Milford, CT

INSPECTION DATE(S): 6/27/2014

XRF TESTING RESULTS:

Lead as defined by OSHA and Toxic levels of lead based paint (as defined by USC Title 15 – Chapter 53- Toxic Substance Control) was not detected within scope of inspection.

LIMITATIONS OF SCREENING

Not all painted surfaces were tested. Consequently, if a surface was not tested assume it contains Lead until proven otherwise. See attached data sheets for a list of surfaces tested.

RECOMMENDATIONS

No further action is required at this time as Lead Based Paint was not detected within the scope of the inspection and you are exempt from evaluating the construction waste as hazardous waste. However, please keep in mind, lead related work must be done according to applicable regulations (OSHA 1926.62 and USC Title 15 – Chapter 53- Toxic Substance Control) with properly trained personnel using proper work practices and procedures including proper disposal of hazardous lead waste (CT DEEP) and proper precautions to avoid contaminating the building and exposing those present to lead dust or fumes. Before cutting or welding and preparation work, any lead-based paint identified above should be handled with proper precautions to avoid contaminating adjacent areas and exposing those present to lead dust or fumes.

Please note that OSHA 29 CFR 1926.62 requires contractors working at the site must be notified of the location of the lead even if it is not to be disturbed so they make safely work around it.

Also, refer to Chem Scope's Asbestos Pre-Renovation Inspection Report for additional details.

Sincerely,



Dan Sullivan
Vice President, Operations

Site Name: Site 019 (Laria) -Application #1237Date of Inspection: 6/27/2014Site Address: 17 Ann Street, Milford, CTCS# 183-478Customer Name: Diversified Technology Consultants (DTC)Customer Address: 2321 Whitney Avenue, Suite 301 / Hamden, CT 06518Work Area: Interior / ExteriorPage 1 of 4Site Description: Single-Family ResidentialYear of Construction: 1959Name of Individual Doing Testing: Dan SullivanCT DPH Lic# 2131CO-57 Date Source Installed: 11/2/2012Software version # N/ASerial # 1647

Test #	Clock Time	NIST Calibration Standard	Results QM (mg/CM2)
1	11 ²⁴ am	NIST SRM 2573 Red	1.0
2	11 ²⁵ am	NIST SRM 2573 Red	1.0
3	11 ²⁶ am	NIST SRM 2573 Red	1.0
73	12 ¹¹ pm	NIST SRM 2573 Red	1.0
74	12 ¹² pm	NIST SRM 2573 Red	1.0
75	12 ¹³ pm	NIST SRM 2573 Red	1.0
		NIST SRM 2573 Red	
		NIST SRM 2573 Red	
4	11 ²⁷ am	NIST SRM 2570 White (Blank)	-0.0
76	12 ¹⁴ pm	NIST SRM 2570 White (Blank)	-0.3

Note: each entry represents a single test on the surface indicated.

- Acceptance limits for calibration are 0.7-1.3.
- 1.0 mg/cm² or higher = lead based paint (LBP)
- All values run under Quick Mode (QM), unless noted otherwise under comments above.
- Calibration std SRM 2573 has 1.0 mg/cm² of lead, expiration of std is 7/1/20.
- DEF under comments means the surface has defective lead based paint

INSPECTOR SIGNATURE/Date/REVIEWED BY/Date:

Dan Sullivan, 6/27/14, Ph, 7-11-14

Site Name: Site 019 (Laria) -Application #1237

Date of Inspection: 6/27/2014

Site Address: 17 Ann Street, Milford, CT

CS#183-478

Work Area: Interior

Page 2 of 4

Test # / Side	Int/Ext	Room #	Component	Defective (Y/N)	Color	Substrate	Results QM (mg/CM2)	LPB (Y/N)
5 A	Int	bedroom	wall	Y	off-white	SR	-0.3	N
6 "	"	"	"	"	"	"	-0.3	N
7 B	"	"	"	"	"	"	-0.1	N
8 "	"	"	"	"	"	"	-0.2	N
9 C	"	"	"	"	"	"	-0.2	N
10 "	"	"	"	"	"	"	-0.3	N
11 D	"	"	"	"	"	"	-0.2	N
12 "	"	"	"	"	"	"	-0.3	N
13 "	"	"	window sill	"	"	wood	-0.3	N
14 "	"	"	"	"	"	"	-0.3	N
15 "	"	"	window frame	"	"	"	-0.3	N
16 "	"	"	"	"	"	"	-0.3	N
17 "	"	"	window casing	"	"	"	-0.3	N
18 "	"	"	"	"	"	"	-0.3	N
19 "	"	"	window sash	"	"	aluminum	-0.4	N
20 "	"	"	"	"	"	"	-0.3	N
21 B	"	"	baseboard	"	"	wood	-0.1	N
22 "	"	"	"	"	"	"	-0.2	N
23 "	"	"	floor	"	wood stain	HW	-0.3	N
24 "	"	"	"	"	"	HW	-0.4	N
25 B	"	"	door	"	"	wood	-0.5	N
26 "	"	"	door casing	"	off-white	"	-0.1	N
27 "	"	"	door frame	"	"	"	-0.2	N
28 "	"	"	crown molding	"	"	"	-0.2	N
29 A	"	"	door casing	"	"	"	-0.1	N
30 "	"	"	door frame	"	"	"	-0.3	N
31 A	"	"	ceiling	"	"	SR	-0.3	N

Signature: Car Sh

Date: 6/27/14

Site Name: Site 019 (Laria) -Application #1237Date of Inspection: 6/27/2014Site Address: 17 Ann Street, Milford, CT

CS#183-478

Work Area: InteriorPage 3 of 4

Test # / Side	Int/Ext	Room #	Component	Defective (Y/N)	Color	Substrate	Results QM (mg/CM2)	LPB (Y/N)
32 A	Int	restroom	upper wall	Y	offwhite	SR	-0.4	N
33 "	"	"	lower wall	"	beige	ceramic tile	-0.6	N
34 "	"	"	chair rail	"	"	"	-0.4	N
35 B	"	"	floor	"	"	"	-0.6	N
36 "	"	"	door	"	white	wood	-0.4	N
37 "	"	"	door casing	"	offwhite	"	-0.2	N
38 "	"	"	door frame	"	"	"	-0.2	N
39 "	"	"	ceiling	N	"	SR	-0.3	N
40 D	"	"	wall	"	beige	ceramic tile	-0.5	N
41 "	"	"	window sill	Y	"	wood	-0.1	N
42 "	"	"	window frame	"	"	"	-0.3	N
43 "	"	"	window sash	"	offwhite	aluminum	-0.3	N
44 C ₁	"	kitchen	door 1	"	"	wood	-0.5	N
45 D ₁	"	"	door	"	"	"	-0.5	N
46 "	"	"	door frame	"	"	"	-0.1	N
47 A	"	"	wall	"	unpaint	"	-0.3	N
48 B	"	"	ceiling	"	"	"	-0.2	N
49 "	"	"	floor	"	wood stain	H/W	-0.2	N
50 D ₂	"	"	door	"	offwhite	wood	0.0	N
51 "	"	"	door frame	"	"	"	-0.2	N
52 "	"	"	screen door	"	"	wood	-0.2	N
53 "	"	"	window sill	"	"	"	-0.3	N
54 "	"	"	window frame	"	"	"	-0.3	N
55 "	"	"	window sash	"	"	aluminum	-0.3	N
56 D	"	"	ceiling	"	"	SR	-0.3	N
57 B	"	CL (bedroom)	wall	"	lt pink	SR	-0.4	N
58 "	"	"	hanger	"	"	wood	-0.4	N

Signature: Don FullDate: 6/27/14

EVALUATING THE QUALITY OF XRF:

Site Name: Site 019 (Laria)
 Site Address: 17 Ann Street, Milford, CT

CS# 183-478
 Date: 6/27/2014

Location	Original Reading	Retest Reading	Square of Original Reading	Square of Retest Reading
1. Interior - Bedroom - Wall A	-0.3	-0.3	0.09	0.09
2. Interior - Bedroom - Wall B	-0.1	-0.2	0.01	0.04
3. Interior - Bedroom - Wall C	-0.2	-0.3	0.04	0.09
4. Interior - Bedroom - Wall D	-0.2	-0.3	0.04	0.09
5. Interior - Bedroom - Window Sill	-0.3	-0.3	0.09	0.09
6. Interior - Bedroom - Window Frame	-0.3	-0.3	0.09	0.09
7. Interior - Bedroom - Window Casing	-0.3	-0.3	0.09	0.09
8. Interior - Bedroom - Window Sash	-0.4	-0.3	0.16	0.09
9. Interior - Bedroom - Baseboard	-0.1	-0.2	0.01	0.04
10. Interior - Bedroom - Floor	-0.3	-0.4	0.09	0.16
Sum of ten squared averages ("C"):			0.71	0.87
"C" times 0.0072 ("D"):			0.005112	0.00626
"D" plus 0.032 ("E"):			0.037112	0.038264
Square root of "E" ("F"):			0.19264	0.195611861
"F" times 1.645 (Retest Tolerance Limit):			0.3169	0.3218
Average of the ten XRF Readings:			-0.25	-0.29
Absolute difference of the two averages:			0.0400	

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest.

ChemScope INDUSTRIAL HYGIENE • ENVIRONMENTAL CHEMISTRY

15 Moulthrop Street, North Haven, CT 06473-3686 • Phone (203) 865-5605 • Fax (203) 498-1610 • www.chem-scope.com

Scott Feulner
Diversified Technology Consultants (DTC)
2321 Whitney Avenue, Suite 301
Hamden, CT 06518

7/10/2014

**ASBESTOS PRE-DEMOLITION INSPECTION
SITE 019 (LARIA) – 17 ANN STREET, MILFORD, CT
APPLICATION #1237
CS#183-478, 6/27/2014, PAGE 1 of 6**

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Limitations of the Inspection	4
Recommendations	5-6

Attachments:

- ACM location drawing(s) - 2 page(s)
- PLM Certificate of Analysis report with chain of custody - 8 page(s)
- Sample location drawing(s) - 1 page(s)

Report Distribution:

Scott Feulner, DTC Scott.Feulner@teamdtc.com
Curtis Graham, DTC graham.curtis@teamdtc.com
Michael Casey, DTC michael.casey@teamdtc.com

File Location:

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**ASBESTOS PRE-DEMOLITION INSPECTION
SITE 019 (LARIA) – 17 ANN STREET, MILFORD, CT
APPLICATION #1237
CS#183-478, 6/27/2014, PAGE 2 of 6**

INTRODUCTION

EXECUTIVE SUMMARY: Asbestos containing materials (ACM) were detected within the scope of this inspection and will need to be properly removed and disposed of prior to renovation that would disturb these materials. Abatement work must be done by a licensed asbestos abatement contractor using proper procedures and practices with licensed and trained individuals.

BUILDING DESCRIPTION: The subject building is a single-family, one-story, ranch-style house totaling approximately 1650 sq ft, which was built in 1959 of wood-frame construction. The majority of the house has already been demolished and only a 24'x15' section remains. The owner's have indicated that this remaining section of the house was an addition put on after 1980. The heating system no longer remains. The owner's do not currently occupy the house.

BACKGROUND: We understand the subject house suffered damage as a result of hurricane Sandy on October 29-30, 2012. The house is scheduled to be demolished. The side of the house which faces Long Island Sound is enclosed with a blue plastic tarp only. The two-story section of the house was destroyed and has been removed from the site, prior to our inspection.

SCOPE OF INSPECTION: Asbestos Pre-Demolition Inspection of the subject house, as directed by our client.

Our work included the following:

- Collection and analysis of building materials for asbestos, as required by the regulations prior to demolition.
- A list with quantity, type and location of asbestos containing materials (ACM) in the scope.
- Report of the findings including ACM location drawings.

This investigation and information provided in this report depends partly on background information provided by the client. This report is intended for the use of the client. The scope of services performed may not be appropriate for other users and any use of this report by third parties is at their sole risk. This report is intended to be used in its entirety. No excerpts may be taken to be representative of this report.

TEST PARAMETERS: This is an Asbestos Pre-Demolition Inspection intended to identify the presence, location, and quantity of any asbestos containing building materials which are part of the Demolition for compliance with OSHA 1926.1101 (k)(2)(i) and CT DPH 19a-332a-1 through 16.

For sampling, EPA Wet Methods are used to prevent fiber release. Building materials sampled are analyzed at our laboratory by EPA method 600/R-93/116. This is currently the approved EPA Test method, which uses Polarized Light Microscopy with Dispersion Staining. The laboratory is accredited by NIST/NVLAP and AIHA, and is a Connecticut Approved Environmental Laboratory for Asbestos Analysis.

**ASBESTOS PRE-DEMOLITION INSPECTION
 SITE 019 (LARIA) – 17 ANN STREET, MILFORD, CT
 APPLICATION #1237
 CS#183-478, 6/27/2014, PAGE 3 of 6**

INSPECTION REPORT SYNOPSIS

LOCATION NAME AND ADDRESS: Site 019 (Laria) Application #1237
 17 Ann Street, Milford, CT

INSPECTION DATE(S): 6/27/2014

QUALIFICATIONS: The Inspection was conducted by Daniel P. Sullivan:

- EPA & State of Connecticut Accredited Asbestos Inspector, Project Monitor & Project Designer
- State of Connecticut Licensed Asbestos Inspector/Management Planner (#000019)
- State of Connecticut Licensed Asbestos Project Monitor (#000036)
- State of Connecticut Licensed Asbestos Project Designer (#000096)

Dan was assisted by Leigh Honorof.

For information about Chem Scope, Inc., log onto <http://www.chem-scope.com>.

FINDINGS: The following asbestos containing materials (ACM) were detected in the Scope of the Inspection:

<u>MATERIAL</u>	<u>LOCATION</u>	<u>~FOOTAGE</u>
<u>INTERIOR:</u>		
Gray ACM taping compound on sheetrock Walls and Ceilings* (with visible mold growth and moisture damage)	Bedroom + CL Bathroom Kitchen (+CL)	575 sq ft 225 sq ft 250 sq ft
	Total	1050 sq ft

*>1% Asbestos was found in the gray crumbly taping compound only but the combined result of the taping compound and the sheetrock layers is <1% asbestos; consequently, the sheetrock walls and ceilings are OSHA regulated but not EPA-DPH regulated. Materials with <1% asbestos are not defined as asbestos containing materials in State and Federal regulations. However, OSHA regulations require proper procedures be used to prevent exposure to workers performing the related disturbance. This includes training and protection for employees who may be exposed above the OSHA PEL.

EXTERIOR:

Black sticky ACM roof flashing tar (at vent pipe penetrations)	Roof	< 3 sq ft
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Continued

**ASBESTOS PRE-DEMOLITION INSPECTION
 SITE 019 (LARIA) – 17 ANN STREET, MILFORD, CT
 APPLICATION #1237
 CS#183-478, 6/27/2014, PAGE 4 of 6**

INSPECTION REPORT SYNOPSIS (cont)

The following is a summary table of the materials that tested as non-Asbestos Containing Material (ACM) (<1%) within the Scope of Work (not already summarized previously):

Material	Location	Sample #'s	Findings
Beige hard mortar (under hard pink 6" ceramic wall tile, on sheetrock)	Bathroom	183-478-7,8	No Asbestos Detected
Light brown hard mortar (with white fibrous netting, under hard yellow 2" ceramic shower floor tile, on wood)	Bathroom	183-478-9,10	No Asbestos Detected
White hard mortar (under hard pink 12" ceramic floor tile, on wood)	Bathroom	183-478-11,12	No Asbestos Detected
White hard grout (between hard pink 6" ceramic wall tiles)	Bathroom	183-478-13,14	No Asbestos Detected
Light grey hard grout (between hard yellow 2" ceramic shower floor tiles)	Bathroom	183-478-15,16	No Asbestos Detected
Light grey hard grout (between hard pink 12" ceramic floor tiles)	Bathroom	183-478-17,18	No Asbestos Detected
Brown fibrous paper with black sticky adhesive (from pink fiberglass batt insulation)	Throughout	183-478-19,20	No Asbestos Detected
Silver pliable paper on brown fibrous paper with black sticky adhesive (from yellow fiberglass batt insulation)	Attic	183-478-21,22	No Asbestos Detected
Black pliable tar paper (from under white/blue fibrous Tyvec housewrap under white hard vinyl siding, on wood)	Exterior Siding	183-478-23,24	No Asbestos Detected
Black fibrous roof shingle with black/grey granules and black sticky adhesive on black fibrous roof shingle with brown/grey granules and black sticky adhesive on wood	Exterior Roof	183-478-(28-31)	No Asbestos Detected

LIMITATIONS OF INSPECTION

It is important to note that every effort is made to detect asbestos (ACM) in the path of the demolition by our inspectors. It is not practical or prudent to demolish the entire structure during an inspection. The owner should be aware of this in case suspect materials or concealed suspect materials are uncovered during the actual demolition.

If suspect materials that were previously not accessible or not sampled during this inspection are discovered during the demolition, then demolition must stop and the materials must be sampled by a CT DPH licensed asbestos inspector prior to disturbance of these materials.

**ASBESTOS PRE-DEMOLITION INSPECTION
SITE 019 (LARIA) – 17 ANN STREET, MILFORD, CT
APPLICATION #1237
CS#183-478, 6/27/2014, PAGE 5 of 6**

RECOMMENDATIONS

All Asbestos Containing Materials (ACM) detected in the path of the demolition must be removed prior to the disturbance of these materials.

Asbestos removal is regulated by federal and state agencies. Abatement work must be done by a licensed asbestos abatement contractor using proper procedures and practices, including containment, decontamination facilities, negative air units and trained and CT DPH licensed workers. Final re-occupancy testing is also required, if the building is going to be reoccupied after the asbestos removal and strongly recommended even if the building is not going to be re-occupied such as in the case of building demolition, for removal of greater than three (3) sq. ft or linear ft of ACM. A CT DPH Licensed Project Monitor is always required for final visual inspections after asbestos removal. Please see attached CT DPH Circular Letter #2010-48.

Please also keep in mind that notification to the DPH is required for asbestos abatement involving greater than 10 linear feet or 25 square feet of or for any demolition. Disposal of all ACM is regulated by EPA and the Connecticut DEEP; an EPA approved landfill must be used.

Materials with <1% asbestos (such as the sheetrock with gray ACM taping compound) are not defined as asbestos containing materials in DPH and EPA regulations. However, OSHA regulations require proper procedures be used to prevent exposure to workers performing the related disturbance. This includes training and protection for employees who may be exposed above the OSHA PEL.

For removal of the ACM Roofing Materials:

In the case of asbestos roofing abatement there is a Memorandum of Understanding (MOU) between OSHA and the National Roofing Contractors Association (NRCA), dated 3/15/95, on how to remove asbestos roofing. Regardless of whether the material is friable or non-friable, DEEP disposal regulations apply.

Since Intact Incidental ACM roofing, which includes cements, coatings, mastics, and flashings, was detected within the scope of this inspection, the removal is to be by individuals with a minimum of OSHA 8-hour roof training. The Intact Incidental ACM roofing is currently non-friable and as long as it stays non-friable by utilizing the manual methods outlined in OSHA 1926.1101(g)(11)(iii) notification to the CT DPH is not required. The recommended manual methods outlined by OSHA include but not be limited to the use of spud, spade, flat-blade or slicing tools, such as axes, mattocks, pry bars, spud bars, crow bars, shovels, flat-blade knives, and utility knives, to slice, cut, strip-off, shear-under, or pry-up the material. An accredited and CT-DPH licensed Asbestos Supervisor must be on site and a copy of the supervisor's original training certificate, CT-DPH license and last refresher certificate must be posted on the job site.

Continued

**ASBESTOS PRE-DEMOLITION INSPECTION
SITE 019 (LARIA) – 17 ANN STREET, MILFORD, CT
APPLICATION #1237
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RECOMMENDATIONS (cont)

For removal of the ACM Roofing Materials (cont):

General Work Requirements for Intact Incidental ACM Roofing Removal (according to OSHA 1926.1101 and MOU between OSHA and NRCA):

- Before work begins and as needed during the job, a competent person shall conduct an inspection of the worksite and determine that the roofing material is intact and will likely remain intact.
- All employees performing work involving only intact incidentals shall be trained (minimum OSHA 8-hour roof training).
- The materials shall not be sanded, abraded, or ground. Manual methods as outlined above in OSHA 1926.1101(g)(11)(iii), that do not render the material non-intact shall be used.
- Material that has been removed shall not be dropped or thrown to the ground. Unless the material is carried or passed to the ground by hand it shall be lowered to the ground via covered, dust-tight chute, crane, or hoist. All such material shall be removed from the roof as soon as practicable, but no later than the end of the workshift. Then properly packaged for disposal.

If you have any questions or need more information please call me. Thank you for calling on us.

Sincerely,



Dan Sullivan
Vice President, Operations

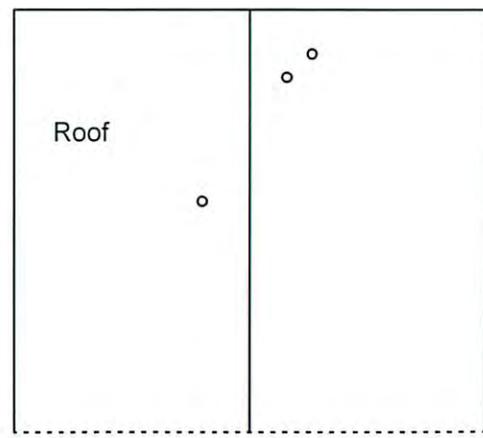
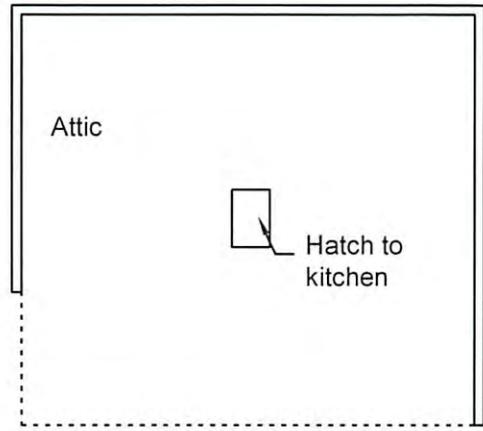
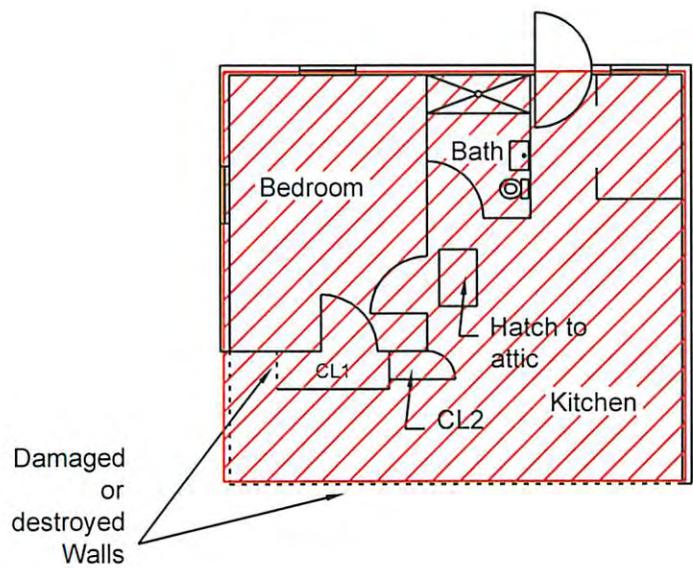
ChemScope Inc.
Site 019- Main Level, Attic & Roof
17 Ann Street, Milford, CT
CS# 183-478, 6/27/14



LEGEND OF SYMBOLS

 Location of OSHA regulated ACM Sheetrock taping compound

NOTATIONS



↑ Ann Street ↓

DRAWN BY
LEIGH HONOROF

ChemScope Inc.

SHEET TITLE
ASBESTOS, LEAD & MOLD INSPECTION
17 ANN ST
MILFORD, CT
MAIN LEVEL, ATTIC & ROOF

CHEMSCOPE NUMBER
CS# 183-478

DRAWING NUMBER

SCALE
NOT TO SCALE

1 A1

DATE
06/27/2014

ChemScope Inc.

Site 019- Main Level, Attic & Roof
 17 Ann Street, Milford, CT
 CS# 183-478, 6/27/14



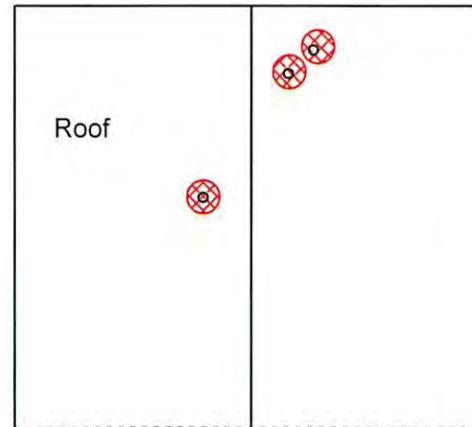
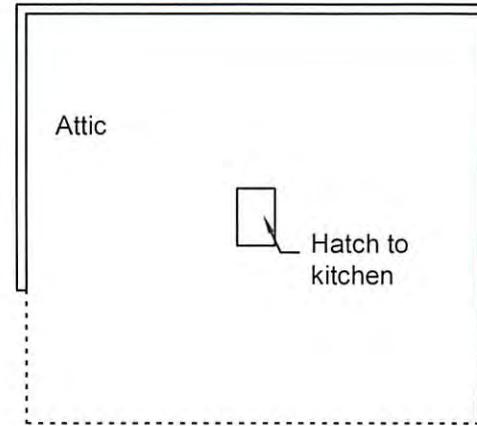
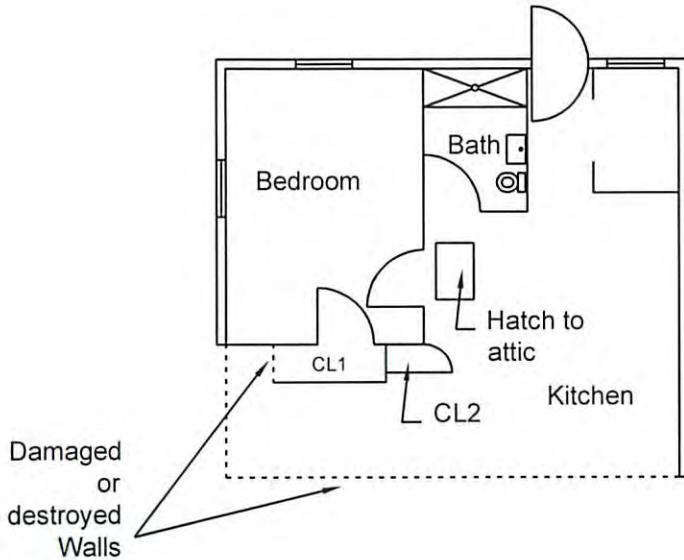
LEGEND OF SYMBOLS

 Location of ACM
 Roof Flashing

NOTATIONS

See Report for Details

Ann Street



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 LEIGH HONOROF

ChemScope Inc.

SHEET TITLE

ASBESTOS, LEAD &
 MOLD INSPECTION

17 ANN ST
 MILFORD, CT

MAIN LEVEL, ATTIC
 & ROOF

CHEMSCOPE NUMBER
 CS# 183-478

DRAWING NUMBER

SCALE
 NOT TO SCALE

1A2

DATE
 06/27/2014

Certificate Of Analysis

Diversified Technology Consultants (DTC) - Scott Feulner

2321 Whitney Avenue

Suite 301

Hamden CT 06518

7/7/2014

CS# 183-478

Page 1 of 6

Bulk sample(s) from Site 019 (Laria) -Application #1237, 17 Ann Street, Milford, CT collected by Leigh Honorof on 6/27/2014

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification

Findings (Analyzed 7/7/14)

183-478-1 Gray crumbly sheetrock taping compound (from wall) / CL-1

*1-2% Chrysotile Asbestos (point counted)
72% Non- Fibrous Particles
26% Volatile on Ignition*

183-478-2 Off white crumbly sheetrock taping compound (from wall) / Bedroom

*<1% Chrysotile Asbestos (point counted)
90% Non- Fibrous Particles
10% Volatile on Ignition*

183-478-3 White crumbly sheetrock taping compound (from wall) / Bathroom

*No Asbestos Detected
95% Non- Fibrous Particles
5% Volatile on Ignition*

183-478-4 Light gray crumbly sheetrock with brown fibrous paper backing and pink facecoat (from wall, from sample #1) / CL-1

*No Asbestos Detected
79% Non- Fibrous Particles
21% Volatile on Ignition*

183-478-5 Light gray crumbly sheetrock with brown fibrous paper backing and white facecoat (from wall, from sample #2) / Bedroom

*No Asbestos Detected
79% Non- Fibrous Particles
21% Volatile on Ignition*

Bulk sample(s) from Site 019 (Laria) -Application #1237, 17 Ann Street, Milford, CT collected by Leigh Honorof on 6/27/2014

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification

Findings (Analyzed 7/7/14)

183-478-6 Light gray crumbly sheetrock with brown fibrous paper backing and off-white white facecoat (from wall, from sample #3) / Bathroom

*No Asbestos Detected
79% Non- Fibrous Particles
21% Volatile on Ignition*

183-478-7 Beige hard mortar (under hard pink 6" ceramic wall tile, on sheetrock) / Bathroom

*No Asbestos Detected
77% Non- Fibrous Particles
23% Volatile on Ignition*

183-478-8 Beige hard mortar (under hard pink 6" ceramic wall tile, on sheetrock) / Bathroom

*No Asbestos Detected
78% Non- Fibrous Particles
22% Volatile on Ignition*

183-478-9 Light brown hard mortar (with white fibrous netting, under hard yellow 2" ceramic shower floor tile, on wood) / Bathroom

*No Asbestos Detected
50% Non- Fibrous Particles
13% Fiberglass
37% Volatile on Ignition*

183-478-10 Light brown hard mortar (with white fibrous netting, under hard yellow 2" ceramic shower floor tile, on wood) / Bathroom

*No Asbestos Detected
99% Non- Fibrous Particles
1% Volatile on Ignition*

183-478-11 White hard mortar (under hard pink 12" ceramic floor tile, on wood) / Bathroom

*No Asbestos Detected
87% Non- Fibrous Particles
13% Volatile on Ignition*

183-478-12 White hard mortar (under hard pink 12" ceramic floor tile, on wood) / Bathroom

*No Asbestos Detected
88% Non- Fibrous Particles
12% Volatile on Ignition*

Bulk sample(s) from Site 019 (Laria) -Application #1237, 17 Ann Street, Milford, CT collected by Leigh Honorof on 6/27/2014

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification

Findings (Analyzed 7/7/14)

183-478-13 White hard grout (between hard pink 6" ceramic wall tiles, from sample #7) / Bathroom

*No Asbestos Detected
91% Non- Fibrous Particles
9% Volatile on Ignition*

183-478-14 White hard grout (between hard pink 6" ceramic wall tiles, from sample #8) / Bathroom

*No Asbestos Detected
92% Non- Fibrous Particles
8% Volatile on Ignition*

183-478-15 Light grey hard grout (between hard yellow 2" ceramic shower floor tiles, from sample #9) / Bathroom

*No Asbestos Detected
93% Non- Fibrous Particles
7% Volatile on Ignition*

183-478-16 Light grey hard grout (between hard yellow 2" ceramic shower floor tiles, from sample #9) / Bathroom

*No Asbestos Detected
93% Non- Fibrous Particles
7% Volatile on Ignition*

183-478-17 Light grey hard grout (between hard pink 12" ceramic floor tiles, from sample #11) / Bathroom

*No Asbestos Detected
100% Non- Fibrous Particles*

183-478-18 Light grey hard grout (between hard pink 12" ceramic floor tiles, from sample #12) / Bathroom

*No Asbestos Detected
93% Non- Fibrous Particles
7% Volatile on Ignition*

183-478-19 Brown fibrous paper with black sticky adhesive (from pink fiberglass batt insulation) / Kitchen

*No Asbestos Detected
3% Non- Fibrous Particles
10% Fiberglass
87% Volatile on Ignition*

Bulk sample(s) from Site 019 (Laria) -Application #1237, 17 Ann Street, Milford, CT collected by Leigh Honorof on 6/27/2014

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification

Findings (Analyzed 7/7/14)

183-478-20 Brown fibrous paper with black sticky adhesive (from pink fiberglass batt insulation) / Kitchen

*No Asbestos Detected
3% Non- Fibrous Particles
11% Fiberglass
86% Volatile on Ignition*

183-478-21 Silver pliable paper on brown fibrous paper with black sticky adhesive (from yellow fiberglass batt insulation) / Attic

*No Asbestos Detected
27% Non- Fibrous Particles
73% Volatile on Ignition*

183-478-22 Silver pliable paper on brown fibrous paper with black sticky adhesive (from yellow fiberglass batt insulation) / Attic

*No Asbestos Detected
3% Non- Fibrous Particles
<1% Fiberglass
97% Volatile on Ignition*

183-478-23 Black pliable tar paper (from under white/blue fibrous Tyvec housewrap under white hard vinyl siding, on wood) / Exterior side A

*No Asbestos Detected
2% Non- Fibrous Particles
98% Volatile on Ignition*

183-478-24 Black pliable tar paper (from under white/blue fibrous Tyvec housewrap under white hard vinyl siding, on wood) / Exterior side D

*No Asbestos Detected
4% Non- Fibrous Particles
96% Volatile on Ignition*

183-478-25 Black pliable flashing tar () / at pipe on C-B side of roof

*No Asbestos Detected
76% Non- Fibrous Particles
24% Volatile on Ignition*

183-478-26 Black pliable flashing tar () / at black pipe on A side of roof

*20% Chrysotile Asbestos
30% Non- Fibrous Particles
50% Volatile on Ignition*

Bulk sample(s) from Site 019 (Laria) -Application #1237, 17 Ann Street, Milford, CT collected by Leigh Honorof on 6/27/2014

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification

Findings (Analyzed 7/7/14)

183-478-27 Black/grey pliable flashing tar () / at silver pipe on A side of roof

*No Asbestos Detected
61% Non- Fibrous Particles
39% Volatile on Ignition*

183-478-28 Black fibrous roof shingle with black/grey granules and black sticky adhesive (on black fibrous roof shingle with brown/grey granules and black sticky adhesive on wood) / C side of roof

*No Asbestos Detected
63% Non- Fibrous Particles
16% Fiberglass
21% Volatile on Ignition*

183-478-29 Black fibrous roof shingle with black/grey granules and black sticky adhesive (on black fibrous roof shingle with brown/grey granules and black sticky adhesive on wood) / C side of roof

*No Asbestos Detected
64% Non- Fibrous Particles
16% Fiberglass
20% Volatile on Ignition*

183-478-30 Black fibrous roof shingle with brown/grey granules and black sticky adhesive (under black fibrous roof shingle with black/grey granules and black sticky adhesive, on wood) / C side of roof

*No Asbestos Detected
62% Non- Fibrous Particles
16% Fiberglass
22% Volatile on Ignition*

183-478-31 Black fibrous roof shingle with brown/grey granules and black sticky adhesive (under black fibrous roof shingle with black/grey granules and black sticky adhesive, on wood) / C side of roof

*No Asbestos Detected
62% Non- Fibrous Particles
16% Fiberglass
22% Volatile on Ignition*

183-478-32 Gray crumbly sheetrock taping compound with light gray crumbly sheetrock with brown fibrous paper backing and pink facecoat (from wall) / CL-1

*<1% Chrysotile Asbestos (point counted)
76% Non- Fibrous Particles
24% Volatile on Ignition*

183-478-33 Gray crumbly sheetrock taping compound with light gray crumbly sheetrock with brown fibrous paper backing and pink facecoat (from wall) / CL-1

*<1% Chrysotile Asbestos (point counted)
77% Non- Fibrous Particles
23% Volatile on Ignition*

**PARAMETERS
ASBESTOS PLM ANALYSIS
(Revised 3/22/13)**

1. *Materials which contain >1% asbestos (greater than 1%) by PLM (polarizing light microscopy) analysis are considered to be asbestos containing materials under EPA and the State of Connecticut Regulations. OSHA still regulates material with <1%. (Contact laboratory for information.) {Note: A more sensitive method is available called TEM (transmission electron microscopy). TEM may detect asbestos fibers that PLM cannot see, but the above agencies' enforcement is based on PLM analysis. Rules may differ for states other than Connecticut. It is best to check with the individual state. For example, New York State requires TEM confirmation of negative PLM results on floor tile}.*
2. *If no asbestos is detected in a sample, or if the asbestos content is less than 1% by PLM, additional samples of the same material should be submitted for confirmation. Please check with the laboratory for guidance on the number of samples needed. Sample collection in Connecticut must be by a DPH Licensed Asbestos Inspector. Many other states also require licensing.*
3. *Floor Tile Mastic: Mastic under floor tile should be separately sampled by scraping some of the mastic from the floor to avoid contamination from the floor tile.*
4. *Although Chem Scope, Inc. takes great effort to insure accuracy in the estimation of asbestos in the materials analyzed, no quantitation method is without some uncertainty. Based on independent calibration studies and comparison of Chem Scope's quantitative results with NVLAP and AIHA round robin programs we estimate our uncertainty in quantitation to be relatively small. The average relative uncertainty of the estimate is calculated to be 35% for samples that contain less than 10% asbestos. This means a estimate of 10% asbestos in a sample has a probable range of 6.5% to 13.5% while an estimate of 1% has a range of 0.65% to 1.35%.*
5. *The presence of non-asbestos components, which are recognized by the PLM analyst, is reported with the estimated amounts. This is not an exhaustive analysis for the non-asbestos materials since the primary purpose is to determine if asbestos is present and, if so, how much is present of each type of asbestos.*
6. *Results reported apply only to the sample(s) analyzed.*
7. *Special treatment of samples: Chem Scope, Inc. routinely uses gravimetric sample reduction techniques such as low temperature ashing or acid dissolution on samples like floor tile, roofing materials, glue dots, or high cellulose content samples prior to PLM analysis. These methods are used to aid in the PLM analysis and to provide better quantitative data. Layered samples, if possible, are analyzed separately as individual layers. However, in accordance with the method, if any layer contains >1% asbestos (greater than 1%) it is to be considered an asbestos containing material. All results are reported to the original sample basis.*
8. *Sample results are not corrected for blanks. Analytical blanks are run daily and if contamination is suspected the samples are rerun.*
9. *Chem Scope, Inc. performs "400 point" point counting when the asbestos content is visually estimated to be less than 10%. There is no additional charge for this analysis.*

The Scope of Accreditation referenced in this report applies to bulk asbestos fiber analysis by PLM (Polarized Light Microscopy).

Accreditation does not imply endorsement by NVLAP, NIST or any Federal or State Agency.

This report pertains only to the samples tested and may not be reproduced in part.

Condition of the samples at the time of receipt was acceptable unless otherwise noted on the Certificate of Analysis.

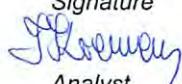
See test parameters above and attached chain of custody form.

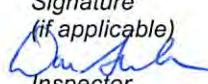
We would love to hear from you. Comments? Questions? Please call or email us at chem.scope@snet.net.

ChemScope, Inc. is accredited by AIHA LAP, LLC LAB #100134

NVLAP Lab Code 101061-0.

Connecticut Department of Public Health (DPH) Approved Environmental Lab PH 0581

Signature

Analyst

Signature
(if applicable)

Inspector

Authorized Signature or
Suzanne Cristante
Laboratory Director

Authorized Signature or
Izabela Kremens
Quality Manager

Authorized Signature

Ronald Arena
President

Dear Laboratory Customer or Potential Customer,

New laboratory accreditation standards require us to provide our clients information about our services to make sure that your requirements for testing are adequately defined, documented and understood. The following is for your information. Please call us if you have any questions or comments.

Type of Samples:

- / / PCM cassettes are routinely run by NIOSH Method 7400.
- / / Bulk materials are run by EPA Method: #600/R-93/116.

Air Samples: NIOSH 7400 Method counts all fibers. This method may be used for personal air samples and for finals. Two field blanks must be submitted for each set of samples. In the unlikely event that there is to be any deviation from the standard test, you will be consulted by phone before the work begins. Those clients who have not had NIOSH 582 or AHERA asbestos training courses (either supervisor or project monitor) should consult with the lab director for more information. The test parameters are further explained in the analytical report.

Bulk materials: sampled are analyzed by the latest EPA Method: (#600/R-93/116) which uses polarized light microscopy (PLM). When asbestos is detected and the amount is estimated to be <10%, we automatically point count the samples. When there are interfering substances present, we may use ashing, acid washing or other procedures described in the method to handle the interference. Those clients who have not had AHERA asbestos training courses (either inspector, supervisor or project designer) should consult with the lab director for more information. The test parameters are further explained in the analytical report.

All Samples must be clearly labeled with source name and identification number or sufficient information from the client to make this sample uniquely identified. (We will then add our notebook #, page # (batch) and unique number within the batch.) Samples must be in a clean, air tight package such as a zip loc bag. Appropriate completed paperwork must accompany the sample. Bulk and air samples may not be submitted in the same package.

As soon as available bench top results will be faxed to you and reports will then be mailed. We will retain air samples for at least three months and bulk samples for 6 months unless you advise us otherwise.

You are welcome to visit the laboratory at any time to discuss the work, monitor the work or verify our testing services. We appreciate your business and encourage any feedback regarding improving our services or our quality system. Please take a minute to complete the following survey and mail/fax it to ChemScope, Inc.

Customer Service Survey

To help us improve our services give your opinions to the following:

- 1- The printed laboratory report was complete and easy to understand. YES NO
If no, please explain _____.
- 2- The turn around time for results met your expectations/needs. YES NO
If no, please explain _____.
- 3- How likely are you to recommend ChemScope Inc. to someone?
 Excellent Very Good Good Fair Poor
- 4- How likely are you to return to ChemScope in the future if the need arises?
 Excellent Very Good Good Fair Poor
5. On a scale of 1 to 5 where 1 represents "Satisfied" and 5 represents "Dissatisfied", how would you rate your level of overall satisfaction.
 1 2 3 4 5
- 6- Please add any additional comments or suggestions that would be helpful when you use our services:

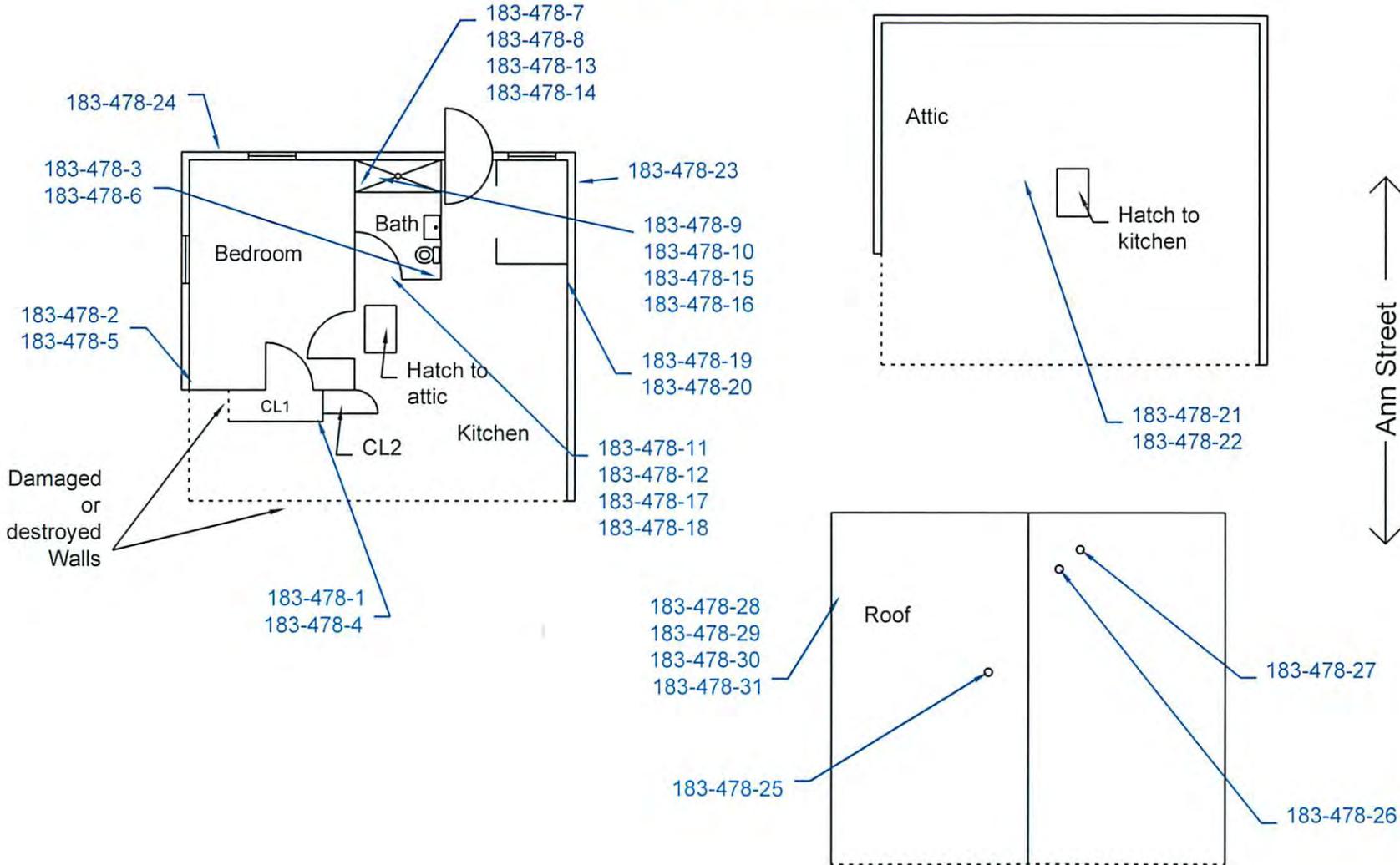
Name _____ Company _____
Address _____ Telephone/e-mail _____

Can we contact you regarding this survey? YES NO

ChemScope Inc.

Site 019- Main Level, Attic & Roof
 17 Ann Street, Milford, CT
 CS# 183-478, 6/27/14

BULK SAMPLE LOCATION DRAWING



LEGEND OF SYMBOLS

1	BULK SAMPLE LOCATIONS
---	-----------------------

NOTATIONS

DRAWN BY
 LEIGH HONOROF

ChemScope Inc.

SHEET TITLE
 ASBESTOS, LEAD &
 MOLD INSPECTION

17 ANN ST
 MILFORD, CT

MAIN LEVEL, ATTIC
 & ROOF

CHEMSCOPE NUMBER
 CS# 183-478

DRAWING NUMBER

SCALE
 NOT TO SCALE

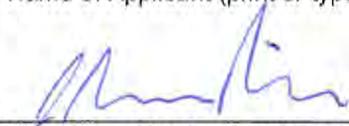
1

DATE
 06/27/2014

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: 17 Ann Street Milford, CT 06460	
Application Number: 1237	
"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	8/20/2014 Date
Name of Applicant (print or type)	Title
	8/20/2014 Date
Signature of Professional Engineer	Date
J. Andrew Belivacqua	18477 P.E. Number
Name of Professional Engineer (print or type)	Affix P.E. Stamp Here
	

Location 17 ANN ST **Assessment** \$202,700
Mblu 13/ 139/ 5/ / **Appraisal** \$289,570
Acct# 003033 **PID** 1344
Owner LARAIA TINA TRUSTEE UNDER **Building Count** 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2012	\$0	\$289,570	\$289,570

Assessment			
Valuation Year	Improvements	Land	Total
2012	\$0	\$202,700	\$202,700

Owner of Record

Owner LARAIA TINA TRUSTEE UNDER **Sale Price** \$0
Co-Owner THE TINA LARAIA LIVING TRUST 12/8/08 **Book & Page** 03313/0600
Address 17 ANN ST **Sale Date** 08/10/2009
 MILFORD, CT 06460

Ownership History

Ownership History			
Owner	Sale Price	Book & Page	Sale Date
LARAIA TINA		03187/0270	07/18/2007
LARAIA THOMAS A		02961/0135	02/11/2005
LARAIA THOMAS A &		02907/0249	08/04/2004
LARAIA TINA C	\$125,000	01842/0252	08/01/1991

Building Information

Building 1 : Section 1

Year Built: 1959
Living Area: 1638
Replacement Cost: \$229,709
Building Percent Good: 0
Replacement Cost Less Depreciation: \$0

Building Photo

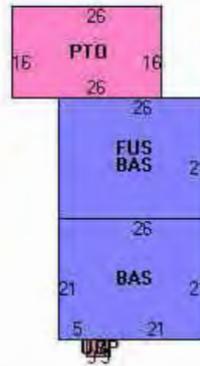
Building Attributes	
Field	Description

Style	Conventional
Model	Residential
Grade:	Average +20
Stories:	2 Stories
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Hardwood
Interior Flr 2	
Heat Fuel	Gas
Heat Type:	Forced Air-Duc
AC Type:	Central
Total Bedrooms:	4 Bedrooms
Total Bthrms:	2
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	6 Rooms
Bath Style:	Average
Kitchen Style:	Updated
Bath Desc.	2-Full



(<http://images.vgsi.com/photos/MilfordCTPhotos/\00\02\87\21.JPG>)

Building Layout



Building Sub-Areas			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	1092	1092
FUS	Upper Story, Finished	546	546
PTO	Patio	416	0
		2054	1638

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
FPL	FIREPLACE	1 UNITS	\$0	1

Land

Land Use

Use Code	1012
Description	OCN FT MDL-01
Zone	R5
Neighborhood	N

Land Line Valuation

Size (Acres)	0.1
Frontage	39
Depth	113
Assessed Value	\$202,700

Outbuildings

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

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2013	\$0	\$289,570	\$289,570
2012	\$196,990	\$470,250	\$667,240
2011	\$190,040	\$470,250	\$660,290

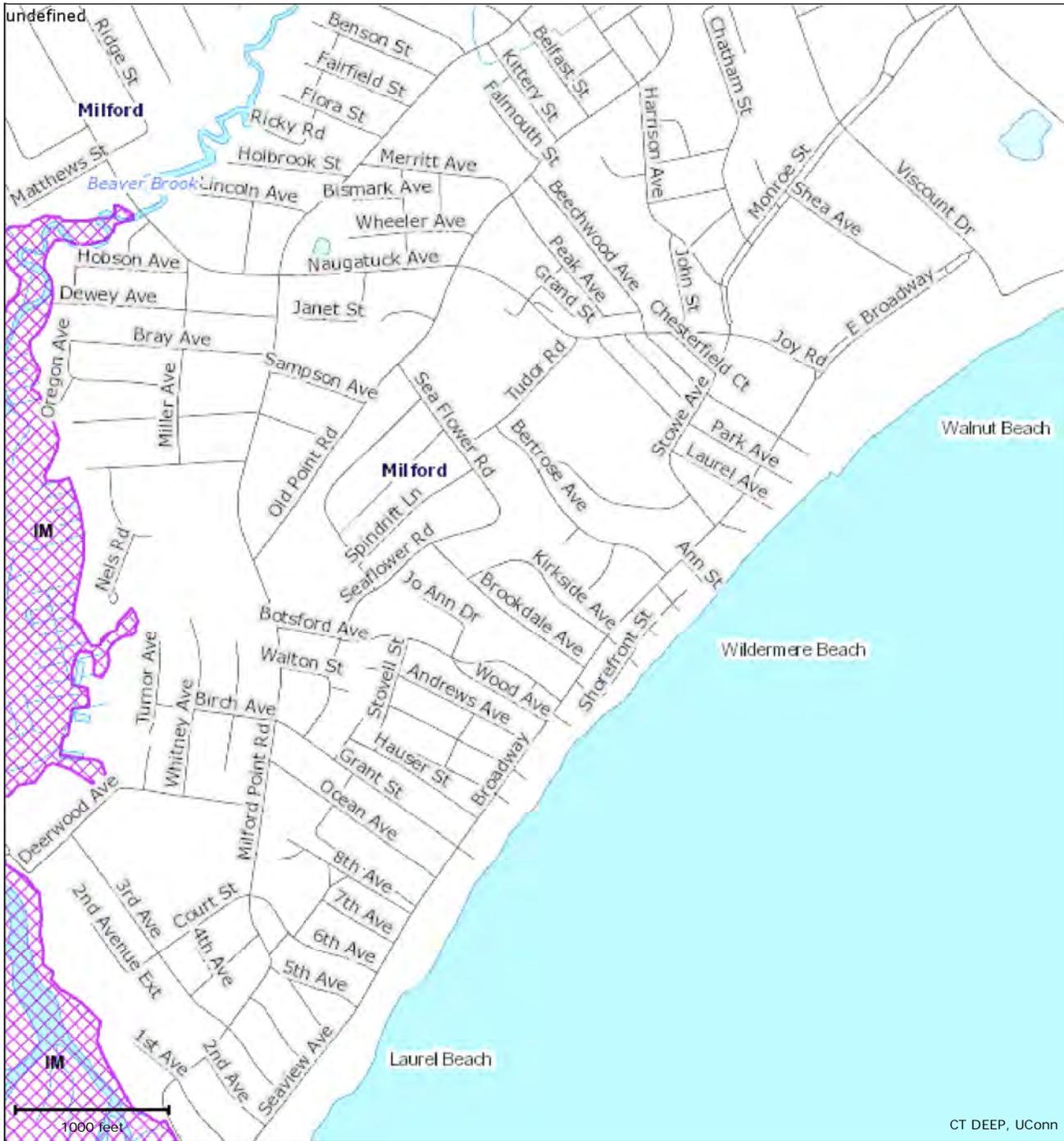
Assessment			
Valuation Year	Improvements	Land	Total
2013	\$0	\$202,700	\$202,700
2012	\$137,890	\$329,180	\$467,070
2011	\$133,030	\$329,180	\$462,210

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Zoning Table

Standard	Zone: R-5	Existing Conditions	Proposed Conditions
Minimum Requirements			
Lot Area (square feet)	5000 s.f.	3442 s.f.	3442 s.f.
Lot Width (feet)	50'	87.13'	87.13'
Lot Depth (feet)	70'	40'	40'
Principal Uses			
Front Yard (feet)	10'	9.9'	9.9'
Each Side Yard (feet)	10'/5'	16.2'/9.7'	22.4'/9.7'
Rear Yard (feet)	20'	4.4'	4.6'
Accessory Structures			
Side Yard (feet)	4'	N/A	N/A
Rear Yard (feet)	5'	N/A	N/A
Distance from dwelling unit = 8 ft. (Sec.4.1.1.4)			
Maximum Height = 15 ft. (Sec. 4.1.1.3 - all residential districts)			
Maximum Permitted			
Building Height Stories	3	2	2
Feet (in height)	35'	21'	33'
Building Area as % of Lot	45%	31.2%	44.92%
Lot Coverage	65%	49.6%	52.91%

17 Ann Street



This map is intended for general planning, management, education, and research purposes only. Data shown on this map may not be complete or current. The data shown may have been compiled at different times and at different map scales, which may not match the scale at which the data is shown on this map.

17 Ann Street

CONNECTICUT CRITICAL HABITATS

Estuarine

-  Beachshore - Subtype Salt B
-  Intertidal Marsh IM

Palustrine Forested

-  Acidic Atlantic White Cedar Swamp AAWCS
-  Acidic Red/Black Spruce Basin Swamp AcR/BSS
-  Circumneutral Northern White Cedar Swamp CirNWCS
-  Floodplain Forest FF

Palustrine Non-Forested

-  Beachshore - Subtype Riverine B
-  Circumneutral Spring Fen CirSF
-  Floodplain Forest - Subtype Alluvial Marsh FF
-  Freshwater Aquatic FA
-  Medium Fen MF
-  Poor Fen PF
-  Rich Fen RF
-  Sea Level Fen SFL

Terrestrial Forested

-  Coastal Woodland/Shrubland CWS
-  Dry Acidic Forest DAF
-  Dry Circumneutral Forest DCF
-  Dry Subacidic Forest DSF
-  Old Growth Forest OGF
-  Subacidic Cold Talus Forest/Woodland SubCTFW

Terrestrial Non-Forested

-  Acidic Rocky Summit Outcrop AcRSO
-  Alluvial Grassland/Outcrop AllG/O
-  Circumneutral Rocky Summit Outcrop CirRSO
-  Coastal Bluffs and Headlands CBH
-  Coastal Grassland CG
-  Sand Barren SB
-  Subacidic Rocky Summit Outcrop SubRSO

More information:

Basic Data Guide

http://cteco.uconn.edu/guides/Critical_Habitat.htm

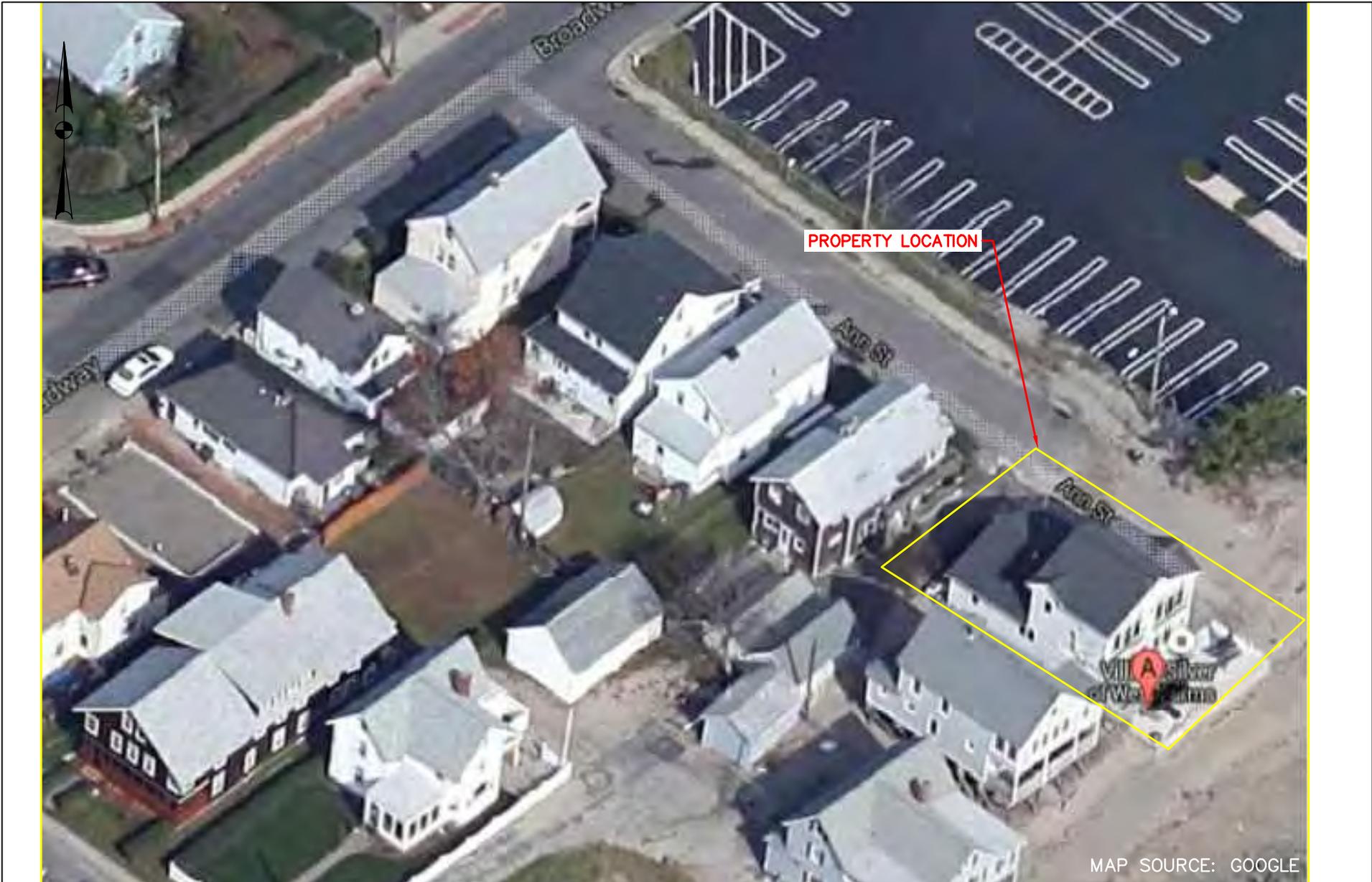
Complete Resource Guide

http://cteco.uconn.edu/guides/resource/CT_ECO_Resource_Guide_Critical_Habitat.pdf

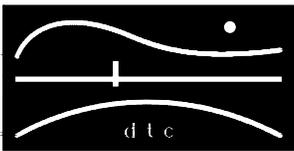
Connecticut Base Map

Transportation

-  Airport
-  Railroad
-  Interstate
-  US Route



MAP SOURCE: GOOGLE



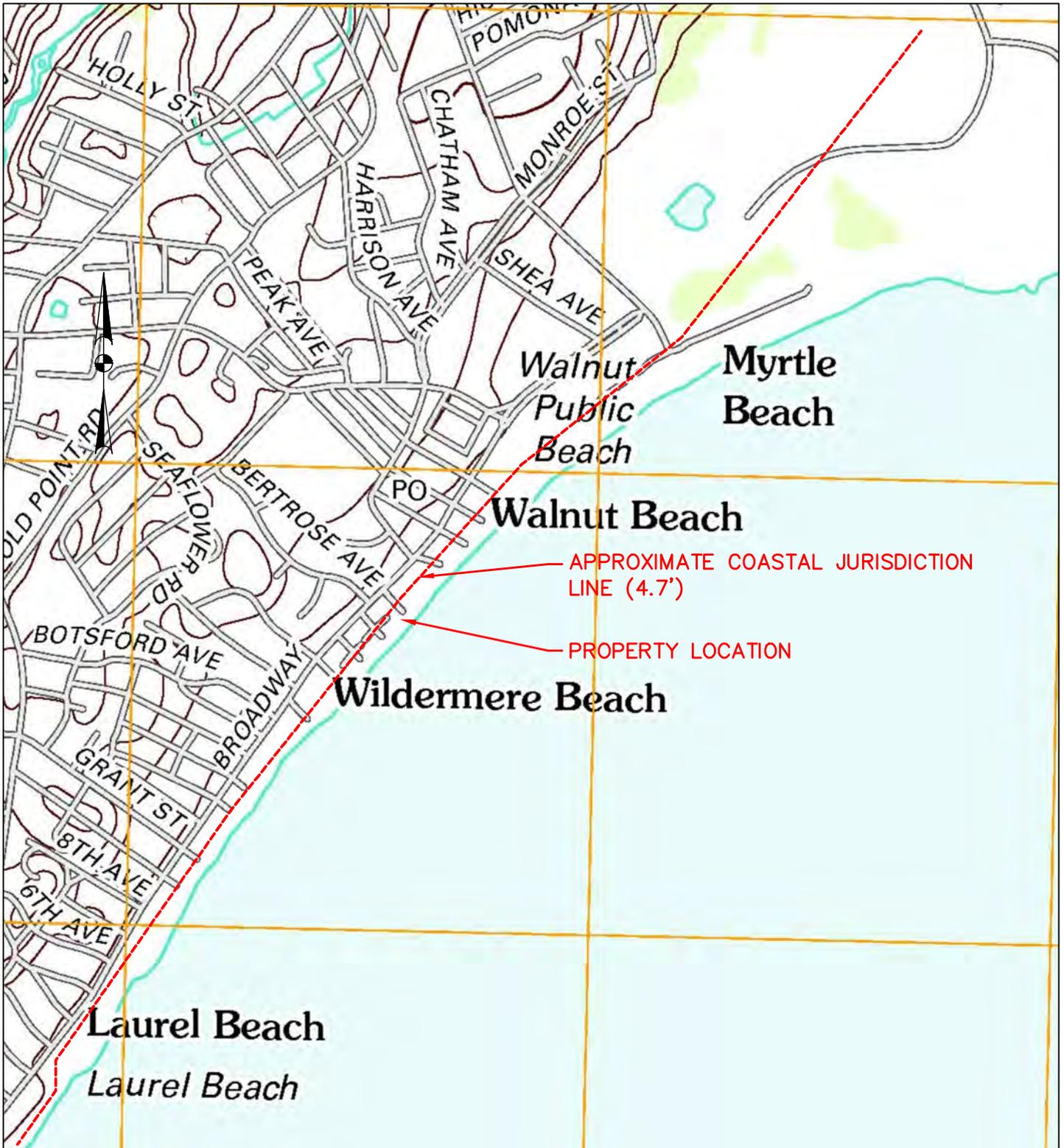
DIVERSIFIED TECHNOLOGY CONSULTANTS
 2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
 Ph: 203 239 4200 Fax: 203 234 7376

DEPARTMENT OF HOUSING
 COMMUNITY DEVELOPMENT BLOCK GRANT
 DISASTER RECOVERY

17 ANN STREET
 MILFORD, CT

ATTACHMENT 17
 AERIAL PHOTOGRAPH

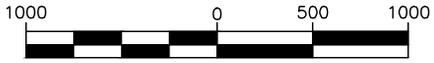
PROJECT NUMBER: 13-449-019		APPLICANT NO: 1237		SCALE: NTS	DRAWN BY: LEC
				DATE: 07/15/14	CHECKED BY: JAB



APPROXIMATE COASTAL JURISDICTION LINE (4.7')

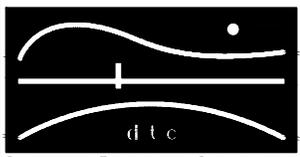
PROPERTY LOCATION

GRAPHIC SCALE



(IN FEET)

MAP SOURCE: UNITED STATES GEOLOGICAL SURVEY



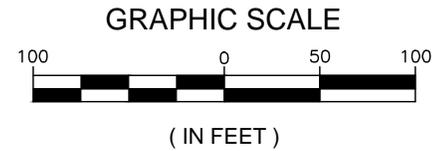
DIVERSIFIED TECHNOLOGY CONSULTANTS
 2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
 Ph: 203 239 4200 Fax: 203 234 7376

DEPARTMENT OF HOUSING
 COMMUNITY DEVELOPMENT BLOCK GRANT
 DISASTER RECOVERY
 17 ANN STREET
 MILFORD, CT

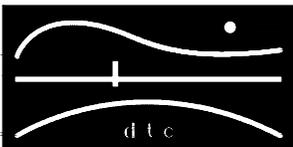
ATTACHMENT 18
 TOWN TOPO

PROJECT NUMBER: 13-449-019 APPLICANT NO: 1237

SCALE: 1"=2000'	DRAWN BY: LEC
DATE: 07/15/2014	CHECKED BY: JAB



MAP SOURCE: TOWN OF MILFORD GIS



DIVERSIFIED TECHNOLOGY CONSULTANTS
 2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
 Ph: 203 239 4200 Fax: 203 234 7376

DEPARTMENT OF HOUSING
 COMMUNITY DEVELOPMENT BLOCK GRANT
 DISASTER RECOVERY

17 ANN STREET
 MILFORD, CT

ATTACHMENT 19
 TAX ASSESSORS MAP

SCALE: 1"=100'

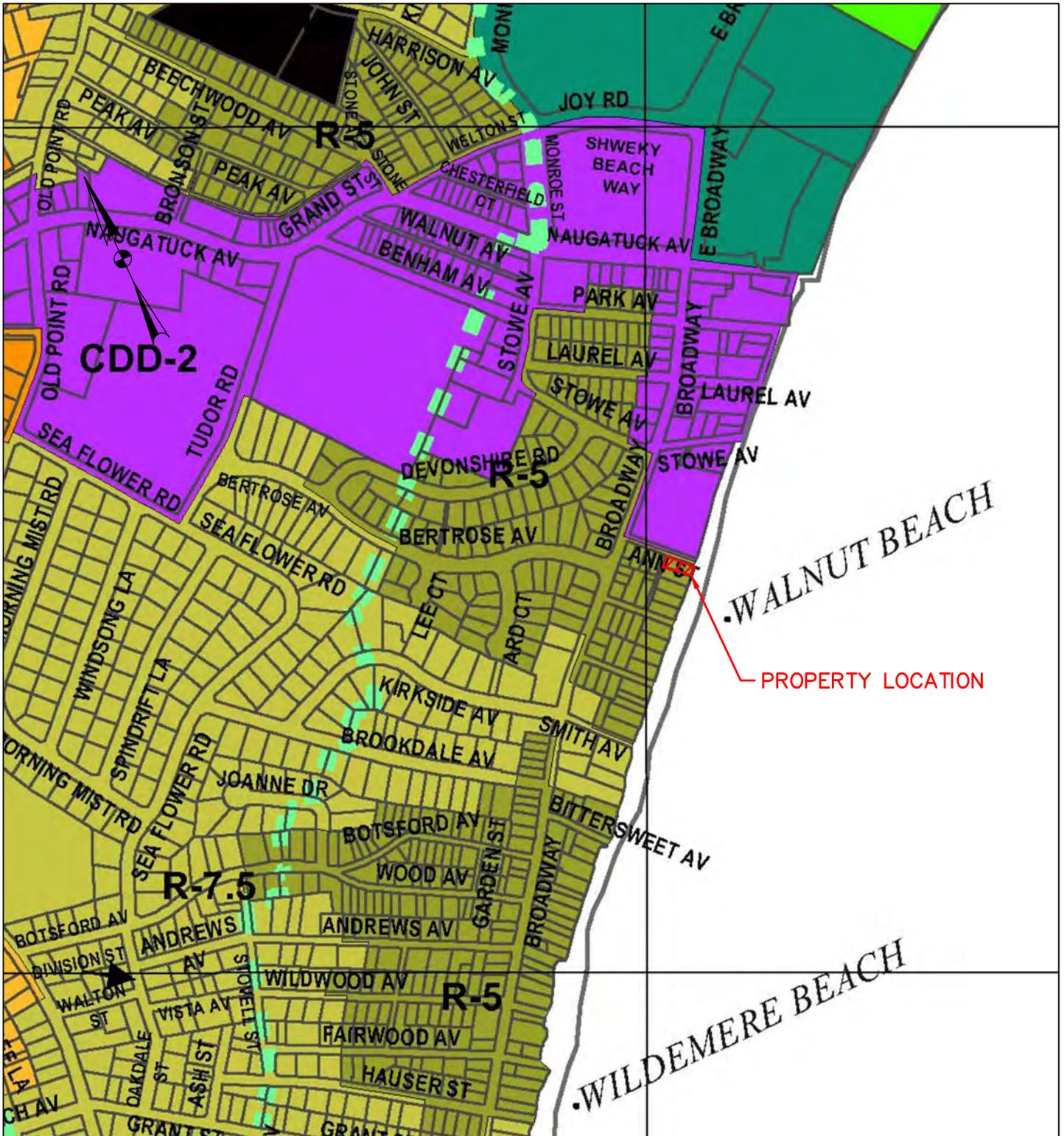
DRAWN BY: LEC

PROJECT NUMBER: 13-449-019

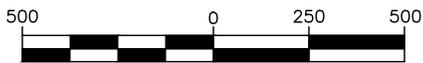
APPLICANT NO: 1237

DATE: 07/15/2014

CHECKED BY: JAB

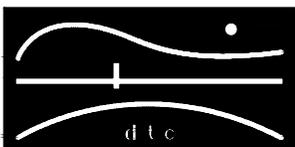


GRAPHIC SCALE



(IN FEET)

MAP SOURCE: TOWN OF MILFORD GIS



DIVERSIFIED TECHNOLOGY CONSULTANTS
2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
Ph: 203 239 4200 Fax: 203 234 7376

DEPARTMENT OF HOUSING
COMMUNITY DEVELOPMENT BLOCK GRANT
DISASTER RECOVERY

17 ANN STREET
MILFORD, CT

ATTACHMENT 20
ZONING MAP

PROJECT NUMBER: 13-449-019 APPLICANT NO: 1237

SCALE: 1"=500' DRAWN BY: LEC

DATE: 07/15/2014 CHECKED BY: JAB



SUBJECT PARCEL
17 Ann Street

LOCATION MAP
approx. scale: 1" = 500'

Zoning Requirements
Lot and Building

Standard	Zone: R-5	Existing Conditions	Proposed	AS-BUILT
Minimum Requirements				
Lot Area (square feet)	5,000 s.f.	3,442 s.f.	3,442 s.f.	
Lot Width (feet)	50'	87.13' [±]	87.13' [±]	
Lot Depth (feet)	70'	40'	40'	
Principal Uses				
Front Yard (feet)	10'	9.9' [±]	9.9' [±]	
Each Side Yard (feet)	10'/5'	16.2' [±] /9.7' [±]	22.4' [±] /9.7' [±]	
Rear Yard (feet)	20'	4.4' [±]	4.6' [±]	
Accessory Structures				
Side Yard (feet)	4'	N/A	N/A	
Rear Yard (feet)	5'	N/A	N/A	
Distance from dwelling unit = 8 ft. (Sec. 4.1.1.4)				
Maximum Height = 15 ft. (Sec. 4.1.1.3 - all residential districts)				
Maximum Permitted				
Building Height Stories	3	2	2	
Feet (in height)	35'	21'	33' [±]	
Building Area as % of Lot	45 %	31.2 %	44.92% [±]	
Lot Coverage	65 %	49.6 %	52.91% [±]	

--- NOTES ---

- This survey has been prepared in accordance with Section 20-300b-1 thru 20-300b-20 of the Regulations of Connecticut State Agencies as filed with the Secretary of State on Sept. 26, 1996--"Minimum Standards of Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc.
- The type of survey performed is a Zoning Location Survey which depicts or notes the position of existing or proposed improvements with respect to applicable municipal setback requirements. The purpose of this type of survey is to enable determination of compliance with said requirements. Only those portions of the property pertinent to the issues being addressed must be depicted: RECONSTRUCTION OF STORM DAMAGED RESIDENCE.
- The boundary determination is based upon the dependent resurvey & is intended to depict a parcel of land acquired by Tina Laraia Living Trust, as recorded in vol. 3313, pg. 600 on August 10, 2009 in the Milford Town Clerk's Office.
- This survey conforms to Class A-2 & T-2 accuracy standards.
- No attempt has been made as part of this boundary survey to obtain or show data concerning existence (other than what is shown hereon), size, depth, condition, capacity, or location of any utility or municipal/public service facility. For information regarding these utilities or facilities, please contact the appropriate agencies. CALL BEFORE YOU DIG 1-800-922-4455
- This parcel is subject to utility easements, if any, for overhead and/or underground service. Substructures and/or their encroachments below grade, if any, not shown.
- Lot served by town sewer system and public water supply.
- Lot lines depicted hereon established according to record maps & deeds as they exist as well as physical features such as stone walls, wire fences, monuments, iron pins or pipes, etc. all taken under consideration to establish said lot lines.
- Subject property in Zone: VE EL15 per Flood Insurance Rate Map, Community Map Number 09009C0529J, Panel 529 of 635, Preliminary date October 30, 2011.
- MAP REFERENCES: AB 1224 & AB 3398 on file in the Milford Town Clerk's Office. Map of Broadway streetline between Stowe Ave. and Smith Ave. on file in the Milford Engineering Office. Subject parcel is also depicted as Map 13, Block 139, Lot 5 on file in the Milford Assessor's Office. Elevations depicted hereon ± s. are based on 1988 North American Vertical Datum, benchmark no. 88-57 disk on top curb n/w corner Kirkside Avenue, elevation 7.69, provided by Milford Engineering Dept.

Owner of Record
Tina Laraia Living Trust vol. 3313, p. 600
lot area: 3,442 s.f.[±] = 0.079 ac.[±]

Zoning Location Survey
(showing Proposed Residence)
prepared for

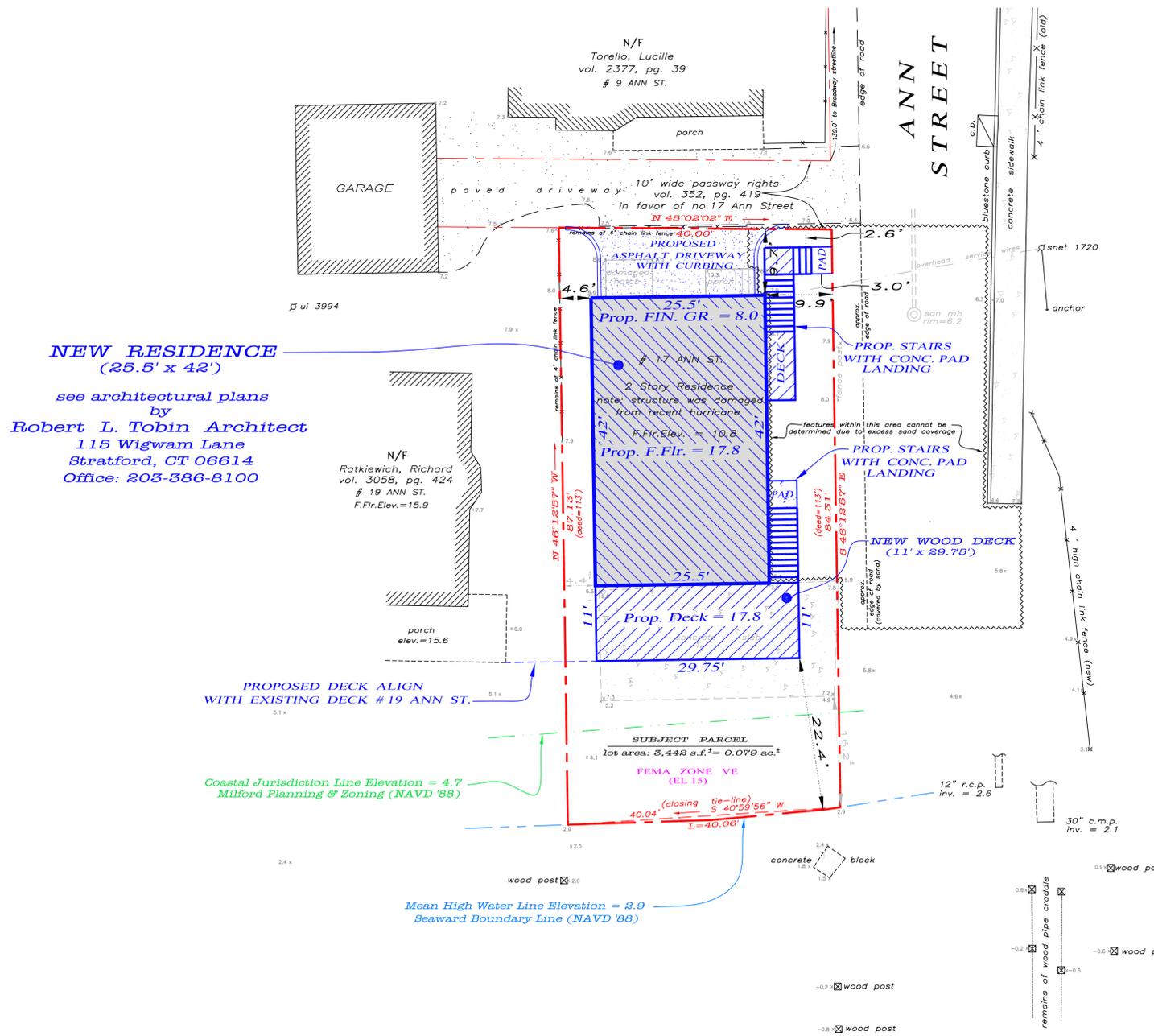
Tina Laraia Living Trust
situate
17 Ann Street, Milford, Connecticut
Zone: R-5

Scale: 1" = 10' September 6, 2013.
10 0 10 20 30 Feet

To the best of my knowledge and belief, this is substantially correct as noted hereon.
This document & copies thereof are valid only if they are signed in red ink & bear the signature & embossed seal of the surveyor noted below. Unauthorized alterations render any declaration hereon null and void.

Robert C. Baluha
Connecticut Professional Land Surveyor
License No. 14658

prepared by
Precision Land Surveys, LLC
48 Rock Ridge Road, Huntington, Connecticut 06484, 803-944-0394
1311-proposed-17 ann st milford.dwg tds: 1311-kevin-17 ann milford.job, lls



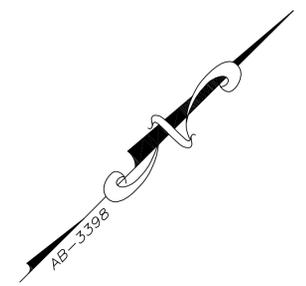
NEW RESIDENCE
(25.5' x 42')
see architectural plans
by
Robert L. Tobin Architect
115 Wigwam Lane
Stratford, CT 06614
Office: 803-386-8100

N/F
Ratkiewich, Richard
vol. 3058, pg. 424
19 ANN ST.
F.Fir. Elev. = 15.9

Coastal Jurisdiction Line Elevation = 4.7
Milford Planning & Zoning (NAVD '88)

Mean High Water Line Elevation = 2.9
Seaward Boundary Line (NAVD '88)

Long Island Sound



From: Gaucher, John [<mailto:John.Gaucher@ct.gov>]
Sent: Monday, October 28, 2013 12:54 PM
To: 'Emmeline Harrigan'
Cc: 'Robert L. Tobin Architect'
Subject: 17 Ann Street, Tina Laraia Trust CSPR
Importance: Low

Emmeline,

We have reviewed the above-referenced proposal for consistency with Connecticut Coastal Management Act policies and have no comments for the Planning & Zoning Board's consideration. Please let me know if you have any questions or if you need any additional information.

John Gaucher
Environmental Analyst 3
Office of Long Island Sound Programs
79 Elm Street
Hartford, CT 06106

Phone 860.424.3660
fax 860.424.4054