

Engineering,
Landscape Architecture
and Environmental Science

MILONE & MACBROOM[®]
and
HISTORICAL PERSPECTIVES, INC.

Project Site Location.

MMI#: 2854-12
MXD: H.location.mxd
SOURCE: DEP Bulletin No.40

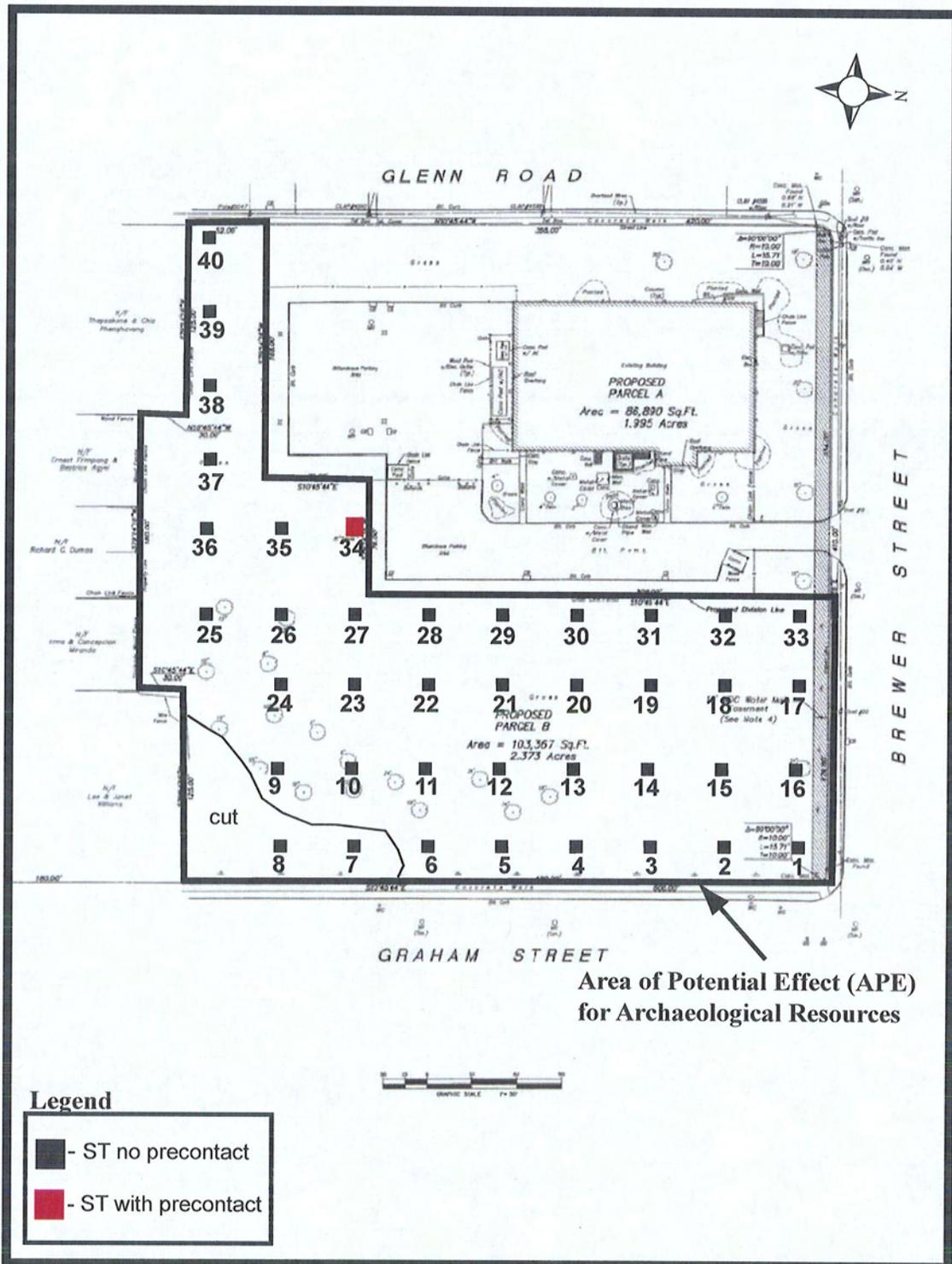
Hartford North, Hartford South,
Manchester, and Glastonbury
Quadrangles. U.S.G.S.,
7.5 Minute Series.

LOCATION:
East Hartford, CT

DATE:
January 2010

SCALE:
1" = 2,000'

SHEET:
Figure 1



**PHASE IB ARCHAEOLOGICAL SURVEY
PROPOSED FIRE STATION, 141 BREWER STREET
TOWN OF EAST HARTFORD
CONNECTICUT**

FIGURE 2: Location of Area of Potential Effect (APE) and Phase IB Archaeological Testing (based on URS 2008).



Appendix A: Summary of Shovel Tests

Shovel Test #	Grid Coord.	Level	Horizon	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments/ Reason for Termination
1	N120 E100	1	Fill	0-19	10YR3/3 Dark brown	Sandy Loam	2 plastic*, 3 ceramic tile*
		2	Fill	19-38	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	Fill	38-46	10YR4/6 Dark yellowish brown	Sand	NCM
		4	A	46-56	10YR3/3 Dark brown	Sandy Loam	1 whiteware
		5	B	56-79	7.5YR4/6 Strong brown	Loamy Sand	NCM
		6	C	79-89	7.5YR4/6 Strong brown	Sand	NCM/Sterile Subsoil
2	N105 E100	1	Fill	0-19	10YR3/3 Dark brown	Sandy Loam	modern glass*, aluminum foil*
		2	Fill	19-31	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	Fill	31-50	10YR4/6 Dark yellowish brown	Sand	NCM
		4	A	50-55	10YR3/3 Dark brown	Sandy Loam	NCM
		5	B	55-68	7.5YR4/6 Strong brown	Loamy Sand	NCM/Compact
		6	C	68-83	7.5YR4/6 Strong brown	Sand	NCM/Sterile Subsoil
3	N90 E100	1	Fill	0-15	10YR3/3 Dark brown	Sandy Loam	modern glass*, aluminum foil*, plastic*
		2	Fill	15-31	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	Fill	31-52	10YR4/6 Dark yellowish brown	Sand	NCM
		4	A	52-59	10YR3/3 Dark brown	Sandy Loam	NCM
		5	B	59-83	7.5YR4/6 Strong brown	Loamy Sand	NCM/Compact
		6	C	83-97	7.5YR4/6 Strong brown	Sand	NCM/Sterile Subsoil
4	N75 E100	1	Fill	0-19	10YR3/3 Dark brown	Sandy Loam	brick*/Photo 1298 N
		2	Fill	19-33	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	Fill	33-43	10YR4/6 Dark yellowish brown	Sand	NCM
		4	A	43-65	10YR3/3 Dark brown	Sandy Loam	NCM
		5	B	65-82	7.5YR4/6 Strong brown	Loamy Sand	NCM/Compact
		6	C	82-93	7.5YR4/6 Strong brown	Sand	NCM/Sterile Subsoil
5	N60 E100	1	Fill	0-15	10YR4/4 Dark yellowish brown	Sand	NCM
		2	Fill	15-28	10YR5/6 Yellowish brown	Sandy Loam	NCM
		3	A?	28-48	10YR4/4 Dark yellowish brown	Sand	NCM
		4	C	48-75	10YR4/6 Dark yellowish brown	Sand	NCM/Sterile Subsoil
6	N45 E100	1	A	0-10	10YR5/4 Dark yellowish brown	Sandy Loam	NCM

NCM = No Cultural Material

1

dist = disturbed * = Discarded

Appendix A: Summary of Shovel Tests

Shovel Test #	Grid Coord.	Level	Horizon	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments/Reason for Termination
		2	B	10-30	10YR6/8 Brownish yellow	Sand	NCM
		3	C	30-56	10YR6/4 Light yellowish brown	Sand	NCM/Sterile Subsoil
7	N30 E100	1	Fill	0-20	10YR4/4 Dark yellowish brown	Sandy Loam	NCM
		2	A	20-42	10YR5/6 Yellowish brown	Sand	1 modern, brown, bottle glass*
		3	C	42-70	10YR5/8 Yellowish brown	Sand	NCM/Sterile Subsoil
8	N15 E100	1	A	0-10	10YR4/3 Brown	Loam	1 clear, modern, bottle glass*
		2	B	10-30	10YR5/6 Yellowish brown	Sand	NCM
		3	C	30-56	10YR5/8 Yellowish brown	Sand	NCM/Sterile Subsoil
9	N15 E85	1	Fill	0-40	10YR4/3 Brown	Loam	1 plastic*
		2	B (dist)	40-60	10YR5/6 Yellowish brown	Sand	1 coal*
		3	C	60-67	10YR5/8 Yellowish brown	Sand	NCM/Sterile Subsoil
10	N30 E85	1	Fill	0-32	10YR3/3 Dark brown	Sandy Loam	1 clear, modern, bottle glass*
		2	Fill	32-51	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	A	51-55	10YR3/3 Dark brown	Sandy Loam	NCM
		4	B	55-92	7.5YR4/6 Strong brown	Loamy Sand	NCM
		5	C	92-101	7.5YR4/4 Brown	Sand	NCM/Sterile Subsoil
11	N45 E85	1	Fill	0-16	10YR3/3 Dark brown	Sandy Loam	plastic*, paper*/Photo #1200 E from ST22
		2	Fill	16-41	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	A	41-47	10YR3/3 Dark brown	Sandy Loam	NCM
		4	B	47-84	7.5YR4/6 Strong brown	Loamy Sand	NCM
		5	C	84-93	7.5YR4/4 Brown	Sand	NCM/Sterile Subsoil
12	N60 E85	1	Fill	0-19	10YR3/3 Dark brown	Sandy Loam	NCM
		2	Fill	19-53	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	A	53-61	10YR3/3 Dark brown	Sandy Loam	NCM
		4	B	61-86	7.5YR4/6 Strong brown	Loamy Sand	NCM
		5	C	86-97	7.5YR4/4 Brown	Sand	NCM/Sterile Subsoil
13	N75 E85	1	Fill	0-17	10YR3/3 Dark brown	Sandy Loam	NCM
		2	Fill	17-44	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	A	44-53	10YR3/3 Dark brown	Sandy Loam	NCM
		4	B	53-65	7.5YR4/6 Strong brown	Loamy Sand	NCM
		5	C	65-72	7.5YR4/4 Brown	Sand	NCM/Sterile Subsoil

NCM = No Cultural Material

dist = disturbed * = Discarded

Appendix A: Summary of Shovel Tests

Shovel Test #	Grid Coord.	Level	Horizon	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments/ Reason for Termination
14	N90 E85	1	Fill	0-15	10YR3/3 Dark brown	Sandy Loam	NCM
		2	Fill	15-32	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	A	32-48	10YR3/3 Dark brown	Sandy Loam	3 yellowware
		4	B	48-63	7.5YR4/6 Strong brown	Loamy Sand	NCM
		5	C	63-75	7.5YR4/4 Brown	Sand	NCM/Sterile Subsoil
15	N105 E85	1	Fill	0-14	10YR3/3 Dark brown	Sandy Loam	NCM
		2	Fill	14-28	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	Fill	28-33	10YR4/6 Dark yellowish brown	Sand	NCM
		4	A	33-37	10YR3/3 Dark brown	Sandy Loam	asphalt*
		5	B	37-73	7.5YR4/6 Strong brown	Loamy Sand	NCM
		6	C	73-84	7.5YR4/6 Strong brown	Sand	NCM/Sterile Subsoil
16	N120 E85	1	Fill	0-17	10YR3/3 Dark brown	Sandy Loam	NCM
		2	Fill	17-32	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	Fill	32-43	10YR4/6 Dark yellowish brown	Sand	NCM
		4	A	43-49	10YR3/3 Dark brown	Sandy Loam	NCM
		5	B	49-67	7.5YR4/6 Strong brown	Loamy Sand	NCM
		6	C	67-82	7.5YR4/6 Strong brown	Sand	NCM/Sterile Subsoil
17	N120 E70	1	A (dist)	0-14	10YR4/3 Brown	Loam	1 plastic*, 1 coal*
		2	B (dist)	14-44	10YR5/6 Yellowish brown	Sandy Loam	1 green bottle glass, modern*
		3	C	44-61	10YR6/6 Brownish yellow	Sand	NCM/ Sterile Subsoil
18	N105 E70	1	A	0-22	10YR4/3 Brown	Loam	1 green, modern, bottle glass*
		2	B	22-44	10YR5/6 Yellowish brown	Sand	NCM
		3	C	44-67	10YR6/6 Brownish yellow	Sand	NCM/ Sterile Subsoil
19	N90 E70	1	Fill	0-17	10YR4/4 Dark yellowish brown	Loam	NCM
		2	Fill	17-21	10YR5/6 Yellowish brown	Sand	NCM
		3	A	21-31	10YR4/3 Brown	Loam	NCM
		4	B	31-53	10YR5/6 Yellowish brown	Sand	NCM
		5	C	53-66	10YR6/6 Brownish yellow	Sand	NCM/ Sterile Subsoil
20	N75 E70	1	A	0-23	10YR4/3 Brown	Loam	NCM
		2	B	23-34	10YR5/6 Yellowish brown	Sandy Loam	NCM

Appendix A: Summary of Shovel Tests

Shovel Test #	Grid Coord.	Level	Horizon	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments/ Reason for Termination
		3	C	34-52	10YR6/6 Brownish yellow	Sand	NCM/Sterile Subsoil
21	N60 E70	1	Fill	0-12	10YR4/3 Brown	Loam	NCM
		2	Fill	12-29	10YR5/6 Yellowish brown	Sand	NCM
		3	A	29-33	10YR4/3 Brown	Loam	NCM
		4	B	33-56	10YR5/6 Yellowish brown	Sand	NCM
		5	C	56-69	10YR5/8 Yellowish brown	Sand	NCM/ Sterile Subsoil
22	N45 E70	1	A	0-11	10YR4/3 Brown	Loam	NCM/Photo 1299 profile; 1300 looks E at ST11
		2	B	11-50	10YR5/6 Yellowish brown	Sand	NCM
		3	C	50-67	10YR5/8 Yellowish brown	Sand	NCM/ Sterile Subsoil
23	N30 E70	1	A	0-9	10YR4/3 Brown	Loam	2 modern window glass*
		2	B	9-55	10YR5/6 Yellowish brown	Sand	NCM
		3	C	55-75	10YR5/8 Yellowish brown	Sand	NCM/ Sterile Subsoil
24	N15 E70	1	A	0-18	10YR4/3 Brown	Loam	NCM
		2	B	18-60	10YR5/6 Yellowish brown	Sandy loam	NCM
		3	C	60-75	10YR5/6 Yellowish brown	Sand	NCM/ Sterile Subsoil
25	N0 E55	1	Fill	0-20	10YR3/3 Dark brown	Sandy loam	1 modern bottle glass*
		2	Fill	20-36	10YR3/3 Dark brown mixed w/ 7.5YR4/6 Strong brown	Sandy loam w/ loamy sand	NCM
		3	B	36-66	7.5YR4/6 Strong brown	Loamy sand	NCM/Compact
		4	C	66-75	7.5YR4/4 Brown	Sand	NCM/ Sterile Subsoil
26	N15 E55	1	A	0-26	10YR3/3 Dark brown	Sandy Loam	NCM
		2	B (dist)	26-62	7.5YR4/6 Strong brown	Loamy Sand	Coal*
		3	C	62-76	7.5YR4/6 Strong brown	Sand	NCM/Sterile Subsoil
27	N30 E55	1	Fill	0-13	10YR3/3 Dark brown	Sandy Loam	NCM
		2	Fill	13-21	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	A	21-27	10YR3/3 Dark brown	Sandy Loam	NCM
		4	B	27-59	7.5YR4/6 Strong brown	Loamy Sand	NCM
		5	C	59-70	7.5YR4/4 Brown	Sand	NCM/Sterile Subsoil
28	N45 E55	1	A	0-25	10YR3/3 Dark brown	Sandy Loam	NCM

Appendix A: Summary of Shovel Tests

Shovel Test #	Grid Coord.	Level	Horizon	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments/ Reason for Termination
		2	B	25-62	10YR3/4 Dark yellowish brown	Loamy Sand	NCM
		3	C	62-72	10YR5/4 Yellowish brown	Sand	NCM/Sterile Subsoil
29	N60 E55	1	A	0-23	10YR3/3 Dark brown	Sandy Loam	1 modern glass*
		2	B	23-41	10YR3/4 Dark yellowish brown	Loamy Sand	NCM
		3	C	41-72	10YR4/6 Dark yellowish brown	Sand	NCM/Sterile Subsoil
		4	C	72-84	10YR5/4 Yellowish brown	Sand	NCM/Sterile Subsoil
30	N75 E55	1	A	0-24	10YR4/3 Brown	Loam	NCM
		2	B	24-37	10YR5/6 Yellowish brown	Sand	NCM
		3	C	37-51	10YR6/6 Brownish yellow	Sand	NCM/ Sterile Subsoil
31	N90 E55	1	A	0-14	10YR4/3 Brown	Loam	1 modern bottle glass*
		2	B	14-36	10YR5/6 Yellowish brown	Sand	NCM
		3	C	36-54	10YR6/6 Brownish yellow	Sand	NCM/ Sterile Subsoil
32	N105 E55	1	Fill	0-12	10YR4/3 Brown	Loam	NCM
		2	Fill	12-25	5YR4/4 Reddish brown	Clay Loam	NCM
		3	C	25-65	10YR6/8 Brownish yellow	Sand	NCM/Sterile Subsoil
33	N120 E55	1	A	0-29	10YR4/3 Brown	Clay Loam	NCM/Photos #1301 & 1302 S
		2	C	29-69	10YR6/6 Brownish yellow	Sand	NCM/ Sterile Subsoil
34	N30 E40	1	A	0-31	10YR4/3 Brown	Loam	1 brownish gray chert flake
		2	B	31-50	10YR5/6 Yellowish brown w/ 10YR4/3	Sand w/ Loam	NCM
		3	C	50-65	10YR5/8 Yellowish brown	Sand	NCM/ Sterile Subsoil
35	N15 E40	1	A	0-23	10YR4/3 Brown	Loam	NCM
		2	B	23-72	10YR5/6 Yellowish brown	Sand	NCM
		3	C	72-76	10YR5/8 Yellowish brown	Sand	NCM/ Sterile Subsoil
36	N0 E40	1	A (dist)	0-29	10YR4/3 Brown	Loam	bottle cap*, brick frag.*
		2	B (dist)	29-84	10YR5/6 Yellowish brown	Sandy Loam	2 purple bottle glass
		3	C	84-97	10YR5/6 Yellowish brown	Sand	NCM/ Sterile Subsoil
37	N0 E25	1	Fill	0-31	10YR3/3 Dark brown	Sandy Loam	NCM
		2	Fill	31-36	10YR3/4 Yellowish brown	Loamy Sand	NCM

Appendix A: Summary of Shovel Tests

Shovel Test #	Grid Coord.	Level	Horizon	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments/ Reason for Termination
		3	A	36-52	10YR3/3 Dark brown	Sandy Loam	NCM
		4	B	52-77	7.5YR4/6 Strong brown	Sandy Loam	NCM
		5	C	77-84	7.5YR4/4 Brown	Sand	NCM/Sterile Subsoil
38	N0 E10	1	Fill	0-26	10YR3/3 Dark brown	Sandy Loam	NCM
		2	Fill	26-30	10YR3/4 Yellowish brown	Loamy Sand	NCM
		3	A	30-37	10YR3/3 Dark brown	Sandy Loam	NCM
		4	B	37-74	7.5YR4/6 Strong brown	Loamy Sand	NCM
		5	C	74-86	10YR5/4 Yellowish brown	Sand	NCM/Sterile Subsoil
39	N0 W5	1	A	0-17	10YR3/3 Dark brown	Sandy Loam	Modern glass*
		2	B1	17-33	10YR3/4 Yellowish brown	Sandy Loam	NCM
		3	B2	33-51	10YR3/6 Dark yellowish brown	Loamy sand	NCM/Compact
		4	C	51-79	10YR5/4 Yellowish brown	Sand	NCM/Sterile Subsoil
40	N0 W20	1	A	0-16	10YR3/3 Dark Brown	Sandy Loam	Modern glass*, aluminum foil*
		2	B	16-45	10YR4/6 Yellowish brown	Loamy Sand	NCM
		3	C	45-80	10YR5/4 Yellowish brown	Sand	NCM/Sterile Subsoil



Photograph 1: ST4, located on the east portion of property, at the start of excavation. Facing north with Brewer Street in the background and Graham Street to the right.



Photograph 2: ST11 in progress. Facing east with Graham Street in background.



Photograph 3: Profile of ST22. Facing south.



Photograph 4: The northwest portion of Parcel B with the SNET complex in Parcel A to the right. Facing south from ST33.

U.S. Department of Homeland Security
Federal Emergency Management Agency, Region 1
99 High St. 6th Floor
Boston, MA 02110



FEMA

March 15, 2010

David Bahlman, Div Director
Deputy Historic Preservation Officer
Commission on Culture and Tourism
One Constitution Plaza, 2nd Floor
Hartford, CT 06103

**RE: FEMA Project # EMW-2009-FC-03656 MMI#2854-12-4
Construction of New Fire Station
141 Brewer Street (N41.743527 W72.624863)
East Hartford, Connecticut**

Dear David,

The Federal Emergency Management Agency (FEMA) is providing funding to the Town of East Hartford, CT for the construction of new fire station. Milone & MacBroom, Inc. (MMI) has been retained by the Town Fire Department to prepare an Environmental Assessment (EA). As part of the preparation of the EA, FEMA is required to evaluate the effects of their actions on potentially sensitive historical and/or archeological resources. MMI retained Historical Perspectives Incorporated (HPI) to complete a Phase IA for the new fire station site.

The project site is a 2.37 acre undeveloped piece of land that is bounded to the north by Brewer Street, to the east by Graham Road, to the south by Leichter Drive and residential properties, and to the west by Glenn Road and a Southern New England Telephone (SNET) service building. A project location figure is appended to this letter. The site is classified as a meadow and has scattered trees along the eastern and southern portions of the site.

The East Hartford Fire Department proposes to build a new 16,000 square foot fire station to replace an existing outdated and undersized fire station located at 304 Main Street. The fire station will qualify as a LEED certified fire station, consisting of space for two fire companies, fire personnel offices and living quarters, an apparatus repair facility, and fire station associated parking.

HPI completed their Phase IA Cultural Resources report in February 2010. HPI concluded that the site may be sensitive for Precontact archaeological deposits, due to the high number of documented sites on similar landforms in the immediate vicinity of the site and that a portion of the ca.1855 Brewer/Vibert farm complex may have extended onto this parcel of land. Due to the archaeological sensitivity of the project site, HPI recommended that Phase IB archaeological field testing be completed in order to verify the presence/absence of buried resources.

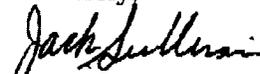
HPI Phase IB field testing was completed by a team of five archaeologists under the direction of William Sandy, RPA on March 5, 2010. The weather was warm and partly-cloudy with no snow cover present on the ground surface. A total of 40 shovel tests (STs) were excavated during the field survey (see attached map). HPI concluded that much of the project site has two or three layers of fill, about 30cm to 50cm thick. This fill and the buried A horizon contained modern material and a few historical artifacts. There were no concentrations or features identified during the investigation. The recovered historical artifacts were determined to represent typical field scatter and are not considered potentially significant. No additional archaeological consideration or further investigation is warranted for 141 Brewer Street.

After review of HPI's Phase IB Cultural Assessment report, we believe that there are no significant historical and/or archeological artifacts within the project area. If you concur, would you please indicate on the concurrence line below at your earliest convenience and return your findings to me.

If you have any questions regarding this proposed project please do not hesitate to contact the EA preparer at Milone & MacBroom, Inc.: Matthew Sanford [(203)-271-1773; maits@miloneandmacbroom.com]. Me directly at 617-832-4791 jack.sullivan@dhs.gov

Thank you very much for your time and attention.

Sincerely,



Jack Sullivan
FEMA Region I
Environmental Officer

Enclosures:

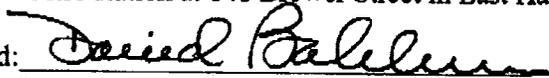
Figure 1 – USGS Location Map

Figure 2 – HPI STs Location Map

Commission on Culture and Tourism Concurrence:

I concur with the findings of no significant historical and/or archeological artifacts affected for the proposed fire station at 141 Brewer Street in East Hartford, CT:

Signed:



Date:

4.12.10

~~DAVID~~ Daniel Bahlman, Div Dir
Deputy Historic Preservation Officer
Commission on Culture and Tourism