

PH0006149

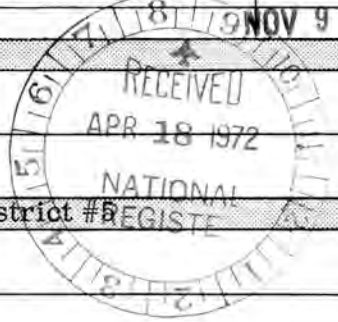
Form 10-300
(July 1969)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

**NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY - NOMINATION FORM**

(Type all entries - complete applicable sections)

STATE:	Massachusetts
COUNTY:	Essex
FOR NPS USE ONLY	
ENTRY NUMBER	DATE
	NOV 9 1972



972

1. NAME

COMMON:
Essex Company Machine Shop

AND/OR HISTORIC:

2. LOCATION Congressional District #5

STREET AND NUMBER:
Union Street

CITY OR TOWN:
Lawrence

STATE: Massachusetts CODE: 025 COUNTY: Essex CODE: 009

3. CLASSIFICATION

CATEGORY (Check One)	OWNERSHIP	STATUS	ACCESSIBLE TO THE PUBLIC
<input type="checkbox"/> District <input type="checkbox"/> Site <input type="checkbox"/> Object <input checked="" type="checkbox"/> Building <input type="checkbox"/> Structure	<input type="checkbox"/> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/> Both	Public Acquisition: <input type="checkbox"/> In Process <input type="checkbox"/> Being Considered <input checked="" type="checkbox"/> Occupied <input type="checkbox"/> Unoccupied <input type="checkbox"/> Preservation work in progress	Yes: <input type="checkbox"/> Restricted <input type="checkbox"/> Unrestricted <input checked="" type="checkbox"/> No

PRESENT USE (Check One or More as Appropriate)

<input type="checkbox"/> Agricultural	<input type="checkbox"/> Government	<input type="checkbox"/> Park	<input type="checkbox"/> Transportation	<input type="checkbox"/> Comments
<input type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Industrial	<input type="checkbox"/> Private Residence	<input type="checkbox"/> Other (Specify)	
<input type="checkbox"/> Educational	<input type="checkbox"/> Military	<input type="checkbox"/> Religious		
<input type="checkbox"/> Entertainment	<input type="checkbox"/> Museum	<input type="checkbox"/> Scientific		

4. OWNER OF PROPERTY

OWNER'S NAME:
Everett Mill Properties, Inc.

STREET AND NUMBER:
15 Union Street

CITY OR TOWN:
Lawrence

STATE: Massachusetts CODE: 025

5. LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC:
Essex County Registry of Deeds,

STREET AND NUMBER:

CITY OR TOWN:
Lawrence

STATE: Massachusetts CODE: 025

6. REPRESENTATION IN EXISTING SURVEYS

TITLE OF SURVEY: 1. Inventory of Historic Assets of the Commonwealth
2. Statewide Preservation Plan, 1st Edition [cont.]

DATE OF SURVEY: 1970; 1971 Federal State County Local

DEPOSITORY FOR SURVEY RECORDS:
Massachusetts Historical Commission, Archives Museum, Office of the Secretary

STREET AND NUMBER:
State House

CITY OR TOWN:
Boston

STATE: Massachusetts CODE: 025

SEE INSTRUCTIONS

STATE: Massachusetts

COUNTY: Essex

NOV 9 1972

ENTRY NUMBER

FOR NPS USE ONLY

DATE

7. DESCRIPTION

CONDITION

(Check One)					
<input checked="" type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Deteriorated	<input type="checkbox"/> Ruins	<input type="checkbox"/> Unexposed
(Check One)			(Check One)		
<input type="checkbox"/> Altered			<input checked="" type="checkbox"/> Unaltered		
			<input type="checkbox"/> Moved		
			<input checked="" type="checkbox"/> Original Site		

DESCRIBE THE PRESENT AND ORIGINAL (if known) PHYSICAL APPEARANCE

The Essex Company Machine Shop (1846-48) is one of the most impressive and important early industrial buildings remaining in Massachusetts. Few other factories of its period display such balanced proportions, attractive building materials and effective design details.

Although somewhat overwhelmed by the close presence of the Everett Company's mammoth brick mill (1909-1910), the machine shop is still able to maintain its integrity as an independent work of architecture. Three stories plus basement and attic, it is constructed of ochre colored ashlar fieldstone to produce very handsome wall surfaces. The building is covered by a steep pitched roof interrupted by skylights. Evenly spaced along the front (west) facade are three outside stair-towers. The center tower is two window bays wider than those flanking it. Each tower is topped by a steep pitched roof which extends back to intersect with the main roof of the factory. Attached to the rear (east) facade are a central stair tower and smaller water closet towers at either side. Wide friezes, stone window lintels and corner quoins provide decorative accents on the structure's walls. The most unusual exterior features of the mill, however, are two circular windows in the gables of the north end and central stair tower, the muntins of which are set in a pattern similar to that produced by lines of longitude and latitude on a world globe.

Originally the machine shop was erected by the Essex Company to manufacture tools, mill machinery, water turbines and millwork for the new Lawrence textile factories. For most of its existence, however, it was utilized as a cotton textile mill. Its original function is still evidenced today by the remaining old foundry, forges, tall chimney and a series of large doors in the rear (east) basement wall at ground level through which heavy machinery and railroad locomotives were once moved.

Though proper allowance must be made for slight stylistic differences, the building is nearly identical in configuration to the typical Merrimack Valley textile mills of its time. Today most of these manufactories either are gone or have been altered beyond easy recognition. Herein lies the machine shop's greatest value; it is an extant and practically unaltered historical and architectural document of early industrial America.

SEE INSTRUCTIONS

B. SIGNIFICANCE

PERIOD (Check One or More as Appropriate)

- Pre-Columbian 16th Century 18th Century 20th Century
 15th Century 17th Century 19th Century

SPECIFIC DATE(S) (If Applicable and Known) 1846-48

AREAS OF SIGNIFICANCE (Check One or More as Appropriate)

- | | | | |
|--|---|---|--|
| <input type="checkbox"/> Aboriginal | <input type="checkbox"/> Education | <input type="checkbox"/> Political | <input type="checkbox"/> Urban Planning |
| <input type="checkbox"/> Prehistoric | <input checked="" type="checkbox"/> Engineering | <input type="checkbox"/> Religion/Phi- | <input type="checkbox"/> Other (Specify) |
| <input type="checkbox"/> Historic | <input checked="" type="checkbox"/> Industry | osophy | _____ |
| <input type="checkbox"/> Agriculture | <input checked="" type="checkbox"/> Invention | <input type="checkbox"/> Science | _____ |
| <input checked="" type="checkbox"/> Architecture | <input type="checkbox"/> Landscape | <input type="checkbox"/> Sculpture | _____ |
| <input type="checkbox"/> Art | Architecture | <input type="checkbox"/> Social/Human- | _____ |
| <input type="checkbox"/> Commerce | <input type="checkbox"/> Literature | itarian | _____ |
| <input type="checkbox"/> Communications | <input type="checkbox"/> Military | <input type="checkbox"/> Theater | _____ |
| <input type="checkbox"/> Conservation | <input type="checkbox"/> Music | <input type="checkbox"/> Transportation | _____ |

STATEMENT OF SIGNIFICANCE

The Essex Company Machine Shop is as fine a work of pre-Civil War industrial architecture as can be found in the New England region, with an equally notable historic background. It is one of the two oldest mills in the city and one of the few stone mill buildings extant in the Merrimack Valley. This building was one of the first to be inventoried by the New England Textile Mill survey team.

Lawrence in 1845 had a population of less than 200 and was a wild and desolate region. Because of the foresight of a few Massachusetts capitalists who appreciated the water power available from harnessing the Merrimack River, the Essex Company was formed to develop that power and a new city was born.

The machine shop had its origins in 1846-48 when the Essex Land and Water Company, a Lawrence land and power owner and distributor, decided to erect a facility to build and repair textile mills of the city. It was in the loft of this structure that a full set of worsted machinery was put together and operated successfully, the first attempt to develop what was later to become a gigantic industry in Lawrence and the basis of the city's economy.

After a four year period of service to the Essex Company, the building with its associated foundry and forges passed into the hands of a newly organized and separate corporation, the Lawrence Machine Shop Company. It continued to perform its original function but also diversified its product line by adding the manufacture of steam railroad locomotives. Several of these were used in the Lawrence-Boston and Lowell-Boston runs, while others were employed as far away as the Erie Railroad. Even more significantly, the Hoadley portable steam engine, the McKay sewing machine and the first steam fire engine were invented, built and perfected at the shop. It was at this facility's drafting boards and lathes that many prominent American mechanical engineers and manufacturing executives obtained their basic training.

Despite its successes and financial stability, the Lawrence Machine Shop was adversely affected by the national business depression of 1857 and was forced to close for a period of two years. At this juncture, the buildings were sold for a nominal sum to a newly formed firm, the Everett Mills Corporation. The old machinery was removed and sold. The buildings were reconstructed internally and fitted up with machinery for the production of colored cotton goods and worsted fabrics. As part of the vast Everett Company complex, it continued operation as a conventional textile mill until 1929, at which time the Everett interests were liquidated. Today, under the ownership of the Everett Mill Properties, Inc., the

[continued]

SEE INSTRUCTIONS

67M
 ZONE 19
 E 323710
 N 4730400
 51-01-15

9. MAJOR BIBLIOGRAPHICAL REFERENCES

Hurd, D. Hamilton, ed. History of Essex County, Massachusetts. 2 vols., Philadelphia: J. W. Lewis & Co., 1888. (I, pp. 889-90)

Lawrence Board of Trade, Brief History of Lawrence, Massachusetts, Its Textile Industries, etc. Lawrence: Rushforth & Donoghue, 1895, pp. 69-71.

McKay, Gordon, The Lawrence Machine Shop. Boston: Lawrence Machine Shop, 1854, pp. 1-16.

[continued]

10. GEOGRAPHICAL DATA

LATITUDE AND LONGITUDE COORDINATES DEFINING A RECTANGLE LOCATING THE PROPERTY			O R	LATITUDE AND LONGITUDE COORDINATES DEFINING THE CENTER POINT OF A PROPERTY OF LESS THAN TEN ACRES		
CORNER	LATITUDE	LONGITUDE		LATITUDE	LONGITUDE	
	Degrees Minutes Seconds	Degrees Minutes Seconds		Degrees Minutes Seconds	Degrees Minutes Seconds	
NW	0' 0" 0"	0' 0" 0"		42° 42' 28"	71° 09' 10"	
NE	0' 0" 0"	0' 0" 0"				
SE	0' 0" 0"	0' 0" 0"				
SW	0' 0" 0"	0' 0" 0"				

APPROXIMATE ACREAGE OF NOMINATED PROPERTY: c. 1 acre

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE:	CODE	COUNTY	CODE

11. FORM PREPARED BY

NAME AND TITLE:
Anne Wardwell, Survey Director

ORGANIZATION: Massachusetts Historical Commission, Office of the Secretary DATE: April 30, 1971

STREET AND NUMBER:
State House

CITY OR TOWN: Boston STATE: Massachusetts CODE: 025

12. STATE LIAISON OFFICER CERTIFICATION NATIONAL REGISTER VERIFICATION

As the designated State Liaison Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service. The recommended level of significance of this nomination is:

National State Local

Name John F. P. Danner
 Secretary of the Commonwealth and
 Chairman, Massachusetts Historical
 Title Commission

Date April 6, 1972

I hereby certify that this property is included in the National Register.

Robert Van Uelen
 Chief, Office of Archeology and Historic Preservation

Date 11/9/72

ATTEST:
J. Bradford
 Keeper of The National Register

Date Nov. 7, 1972

SEE INSTRUCTIONS

NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY - NOMINATION FORM

(Continuation Sheet)

STATE	
Massachusetts	
COUNTY	
Essex	
FOR NPS USE ONLY	
ENTRY NUMBER	DATE
	NOV 4 1972

(Number all entries)

6. Representation in Existing Surveys

3. New England Textile Mill Survey, Historic American Buildings Survey, 11, Washington, D. C., 1971.

8. Significance

machine shop accommodates a variety of small industries. Despite its unglamorous multiple usage and its obscure location behind the huge Everett Company main mill (1909-1910), the building is a valuable legacy from the earliest years of the cotton textile industry in the Merrimack Valley, the seedbed of large scale American manufacturing.

9. Bibliography

Sande, Ted, The New England Textile Mill Survey, Selections from the Historic American Buildings Survey, Washington, D. C., 1971.

Smith, F. Morton, The Essex Company on the Merrimack at Lawrence. New York: The Newcomen Society, 1947, p. 19.

Essex

ESSEX COMPANY
PROPERTY MACHINE SHOP

STATE MASS.

DATE OF RECEIPT 4-18-72

YES

NO

NUMBER

REGISTER:

NOV 9 1972

4-73

DATA PAGE

PHOTO (S)

PHOTO DESCRIPTION (S)

MAP (S)

MAP DESCRIPTION (S)

LOGGED

ACKNOWLEDGE 4-20-72

RESUBMIT

REVIEW

HISTORIAN

I agree with Betty.
Darius 10/4/72

Technical Review OK

ndg
10/2/72

ARCHEOLOGIST

ARCHITECT

HABS has recorded this under the name Lawrence Machine Shop & if anyone wants to, they can find the answers to Betty's questions in their records. ~~Also forgot to list HABS in item 6.~~

Chamber
OK 10/2/72

ASST. KEEPER

Editors - see Chamber remarks.

OK Rg
11/6/72

KEEPER

OK
11/7/72

WRITER/EDITOR

DIRECTOR, OAHF

EDITORIAL PROCESSING, EDITOR

Is this the oldest bldg. of the complex? What are dates for the others? Possibly the entire group merits listing. We need more information.

EDA
10/4/72

Federal Registry Entry 12-5-72

Annual Edition Entry

Logged

NOV 9 1972

Card

NOV 9 1972

COMMENTS:

WORKING NUMBER 4-18-72-505

CONGRESSIONAL DISTRICT:



PS Number 11/9/72

Title: Essex Co. Machine Shop

LOC. Essex, Mass.

Southeast and Southwest Facade

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

**NATIONAL REGISTER OF HISTORIC PLACES
PROPERTY PHOTOGRAPH FORM**

(Type all entries - attach to or enclose with photograph)

STATE		Massachusetts
COUNTY		Essex
FOR NPS USE ONLY		
ENTRY NUMBER	DATE	
	NOV 9	1972

SEE INSTRUCTIONS

1. NAME			
COMMON: <u>Essex Company Machine Shop</u>			
AND/OR HISTORIC:			
2. LOCATION			
STREET AND NUMBER: <u>Union Street</u>			
CITY OR TOWN: <u>Lawrence</u>			
STATE:	CODE	COUNTY:	CODE
<u>Massachusetts</u>	<u>025</u>	<u>Essex</u>	<u>009</u>
3. PHOTO REFERENCE			
PHOTO CREDIT: <u>Massachusetts Historical Commission</u>			
DATE OF PHOTO: <u>1967</u>			
NEGATIVE FILED AT: <u>Massachusetts Historical Commission, Archives Museum, Office of the Secretary, State House, Boston, MA 02133</u>			
4. IDENTIFICATION			
DESCRIBE VIEW, DIRECTION, ETC. <u>southeast and southwest facade</u>			

Essex
La
view

**NATIONAL REGISTER OF HISTORIC PLACES
PROPERTY MAP FORM**

(Type all entries - attach to or enclose with map)

STATE Massachusetts	
COUNTY Essex	
FOR NPS USE ONLY	
ENTRY NUMBER	DATE
NOV 9	1972

SEE INSTRUCTIONS

1. NAME

COMMON: **Essex Company Machine Shop**

AND/OR HISTORIC:

2. LOCATION

STREET AND NUMBER:

Union Street

CITY OR TOWN:

Lawrence

STATE:

Massachusetts

CODE

025

COUNTY:

Essex

CODE

009

3. MAP REFERENCE

SOURCE:

U. S. G. S. Lawrence, Mass.

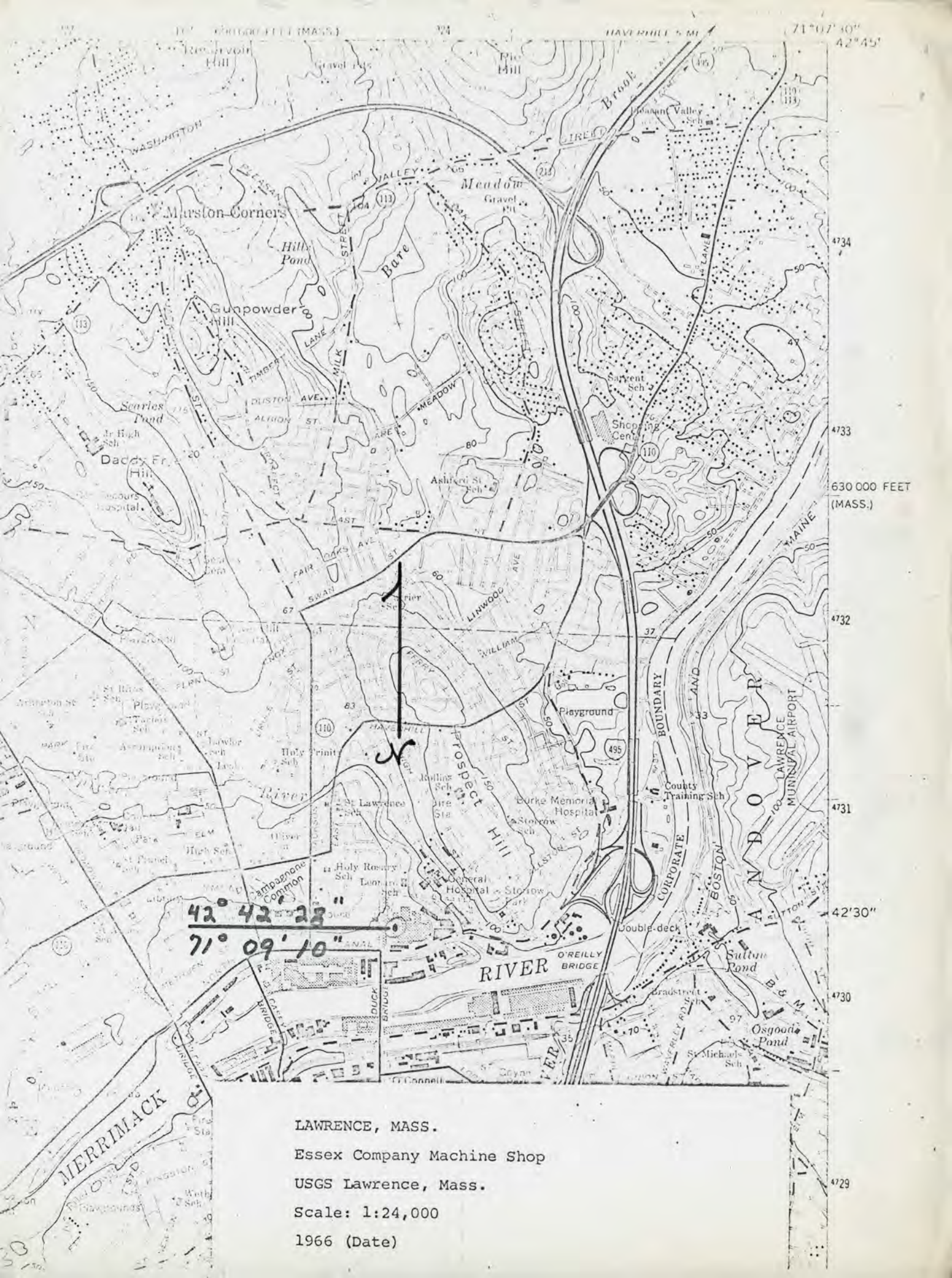
SCALE: **1 : 24,000**

DATE: **1966**

4. REQUIREMENTS

TO BE INCLUDED ON ALL MAPS

1. Property boundaries where required.
2. North arrow.
3. Latitude and longitude reference.



LAWRENCE, MASS.

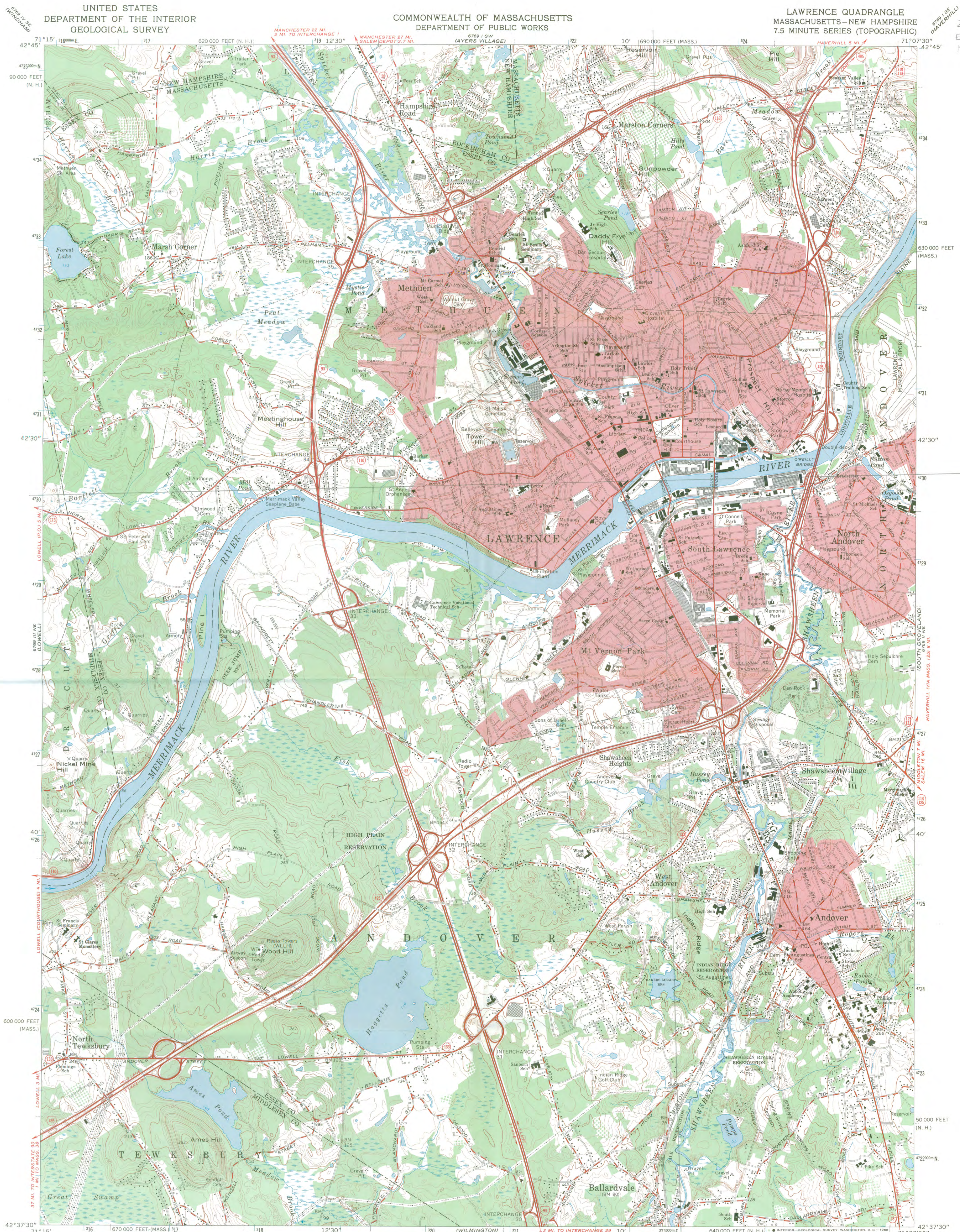
Essex Company Machine Shop

USGS Lawrence, Mass.

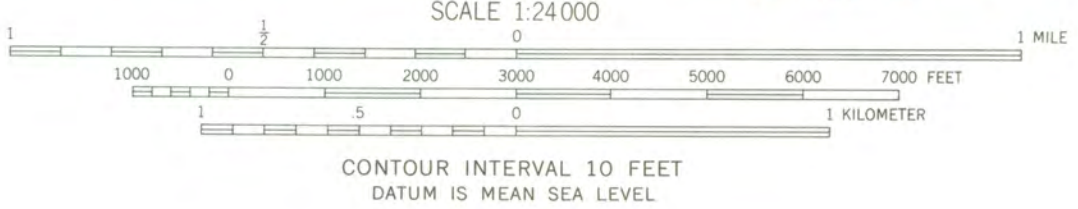
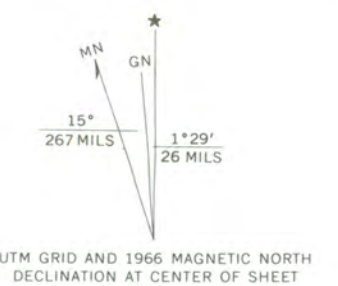
Scale: 1:24,000

1966 (Date)

OTM
ZONE 19
E 323 710
N 4730400
WM
9-10-75

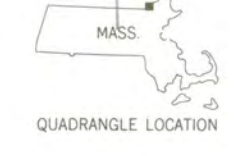


Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Massachusetts Geodetic Survey
Topography by plane-table surveys 1941 and 1942. Revised 1966
Polyconic projection. 1927 North American datum
10,000-foot grids based on Massachusetts coordinate system,
mainland zone, and New Hampshire coordinate system
1000-meter Universal Transverse Mercator grid ticks,
zone 19, shown in blue
Red tint indicates areas in which only landmark buildings are shown



ROAD CLASSIFICATION

Heavy-duty	Light-duty
Medium-duty	Unimproved dirt
Interstate Route	State Route



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

LAWRENCE, MASS.—N. H.
N4237.5—W7107.5/7.5

1966
AMS 6769 II NW—SERIES 9814



The Commonwealth of Massachusetts

Office of the Secretary

Massachusetts Historical Commission

3 Joy Street

Boston, Mass. 02108

John F. X. Lannon

Secretary of the Commonwealth

October 30, 1972

Mr. Jerry Rogers, Director of Registration
Office of Archeology and Historic Preservation
National Park Service
1100 L Street, NW
Washington, D.C. 20005

Dear Jerry,

Re: Moval and demolition and changes to be made of
National Register properties in Massachusetts

The Loammi Baldwin Mansion, Woburn, Middlesex County, has been moved with an OAHF grant to Alfred Street, Woburn. A map indicating coordinates and new location is enclosed.

The Barnstable Old Jail, Barnstable, Barnstable County, was moved with and OAHF grant to Route 6A, Barnstable (next east to the Trayser Museum). A map indicating coordinates and new location is enclosed.

Foster's Block, 404-406 Main Street, Worcester, Worcester County, has been demolished. Your office is already aware that the Rotch Counting House, 123 Front Street, New Bedford, Bristol County, has also been demolished.

Enclosed, too, is an additional photograph of the North Easton Historic District, Easton, Bristol County, which National Register form is in your emergency or "quick" processing file.

Finally, a representative of the owner of the First Universalist Church, Provincetown, Barnstable County, has notified us that the condition of this building has changed from "good" to "fair".

Sincerely yours,

Anne Wardwell
Survey Director

AW/plw
encls.

ENTRIES IN THE NATIONAL REGISTER

STATE MASSACHUSETTS

Date Entered NOV 9 1972

<u>Name</u>	<u>Location</u>
Mechanics Hall	Worcester Worcester County
✓ Essex Company Machine Shop	Lawrence Essex County
The Hadley Falls Company Housing District	Holyoke Hampden County
Fort Phoenix	Fairhaven Bristol County

Also Notified

Hon. Edward M. Kennedy
Hon. Edward W. Brooke
Hon. Edward P. Boland
Hon. Michael J. Harrington
Hon. Silvio O. Conte
Hon. Margaret M. Backler

State Liaison Officer
Hon. John F. K. Davoren
Secretary of the Commonwealth
Chairman, Massachusetts Historical
Commission
40 Beacon Street
Boston, Massachusetts 02108

Director, Northeast Region

PHR

NRowland:mm

11/13/72