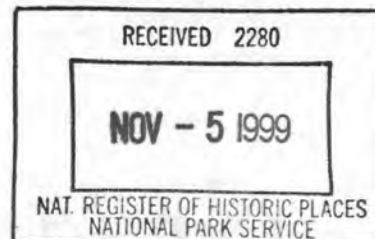


United States Department of the Interior
National Park Service

National Register of Historic Places
Registration Form



This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in How to Complete the National Register of Historic Places Registration Form (National Register Bulletin 16A). Complete each item by marking "x" in the appropriate box or by entering the information requested. If any item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.

1. Name of Property

historic name **MUSKETAQUID MILLS**

other names/site number

2. Location

street & number **131 DAVIDSON STREET** not for publication

city or town **LOWELL** vicinity

state **MASSACHUSETTS** code **MA** county **MIDDLESEX** code **017** zip code **01852**

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act of 1986, as amended, I hereby certify that this ☒ nomination
☐ request for determination of eligibility meets the documentation standards for registering properties in the National Register of
Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property
☒ meets ☐ does not meet the National Register Criteria. I recommend that this property be considered significant
☐ nationally ☐ statewide ☒ locally. (☐ See continuation sheet for additional comments.)

for Elsa N. Fitzgerald
Signature of certifying official/Title Judith B. McDonough, Executive Director
Massachusetts Historical Commission, State Historic Preservation Officer

10/28/99
Date

State or Federal agency and bureau

In my opinion, the property ☐ meets ☐ does not meet the National Register criteria. (☐ See continuation sheet for additional Comments.)

Signature of certifying official/Title

Date

State or Federal agency and bureau

4. National Park Service Certification

I, hereby certify that this property is:

- ☒ entered in the National Register
☐ See continuation sheet.
☐ determined eligible for the
National Register
☐ See continuation sheet.
☐ determined not eligible for the
National Register
☐ removed from the
National Register
☐ other (explain):

Edson H. Beall
Signature of the Keeper

Date of Action

12/9/99

Musketaquid Mills

Name of Property

Middlesex, MA

County and State

5. Classification

Ownership of Property

(Check as many boxes as apply)

☒ private
☐ public-local
☐ public-State
☐ public-Federal

(Check only one box)

☒ building(s)
☐ district
☐ site
☐ structure
☐ object

Number of Resources within Property

(Do not include previously listed resources in the count.)

Contributing

Noncontributing

1

building

sites

structures

objects

1

Total

Name of related multiple property listing

(Enter "N/A" if property is not part of a multiple property listing.)

Number of contributing resources previously listed in the National Register

6. Function or Use

Historic Functions

(Enter categories from instructions)

INDUSTRY/manufacturing facility

Current Functions

(Enter categories from instructions)

GOVERNMENT/government office

7. Description

Architectural Classification

(Enter categories from instructions)

OTHER/ Early 20th century Industrial

Materials

(Enter categories from instructions)

foundation brick

walls brick

roof rubber

other granite (sills)

Narrative Description

(Describe the historic and current condition of the property on one or more continuation sheets.)

United States Department of the Interior
National Park ServiceNational Register of Historic Places
Continuation SheetSection number 7 Page 1Musketaquid Mills
Lowell (Middlesex Co.), Mass.

7. NARRATIVE DESCRIPTION

The Musketaquid Mills is located in the Belvidere section of Lowell, east of the Lowell National Historic Park (1978) and the Downtown Lowell Historic District (LHD, 1983). The Concord River which is located just south and west of the mill separates Belvidere from the Historic Park and Lowell Historic District. The Musketaquid Mill stands at the intersection of Davidson and Howe Streets in an area that was densely developed with industrial buildings in the late 19th and early 20th centuries but today retains little of its historic building stock. The Musketaquid is the only intact historic mill remaining in the area.

The building is a four-story brick structure that was constructed in three stages. The oldest portion dates from 1909 and includes the six southernmost bays (lower three floors only). In 1912 a small single-story brick addition was built off the southwest corner of the mill to house a boiler room. Between 1915 and about 1925 the northern eight bays and fourth floor were added. The main block is essentially rectangular in plan (fourteen bays at east and west elevations and six bays at north and south elevations), although the southwest corner is clipped at an irregular angle. Fenestration includes regularly-spaced double-hung windows running along each elevation. Windows are set in segmental arched openings with rusticated granite sills and contain 12/12 sash (a combination of original and replacements). Eleven windows were fitted with small vents to meet code requirements as part of a recent Certified Rehabilitation (completed in December 1997). Interior storm sash were installed as part of the recent rehabilitation as well. Most are single windows but there are a few paired sash at the rear (south) elevation. Arched window heads are formed by triple rows of header bricks. Window openings at the basement level were blocked with brick (date unknown). The building is enclosed by a flat roof which has a low brick parapet running along the east side. The elevator shaft rises a full story above the roof near the center of the north end. There is a small brick chimney projecting from the south end of the roof. There is little in the way of architectural ornamentation on the building, other than the corbelled brick cornices that circumscribe the main block, boiler room addition, and elevator shaft.

The principal entry to the building is centered on the Davidson Street (north) elevation. It consists of a set of double doors, slightly recessed within a segmental arched opening with a rusticated granite step. The doors date from c. 1990 but are sympathetic to the historic character of the building. Just east of the entry, in the location of a former freight elevator loading bay, is a handicap accessible entrance that was installed as part of the recent rehabilitation. The original sill opening was lowered (arched head and original width of opening maintained) and transom and wood double doors were installed. At the south end of the east elevation is a secondary entry. Contained within a segmental arched opening, the secondary entry contains a modern wood door (c. 1990) that is sympathetic to the historic character of the building. At the rear (south) elevation a wide vehicular entrance was added (in the former location of windows), probably in 1921 when

(continued)

**United States Department of the Interior
National Park Service****National Register of Historic Places
Continuation Sheet**Section number 7 Page 2**Musketaquid Mills
Lowell (Middlesex Co.), Mass.**

permits indicate a "garage" was constructed (this was an interior garage). The opening contained two wide sliding wood doors, each with a 16-pane light. As part of the recent rehabilitation, the doors were removed and the opening infilled with brick. The possibility of restoring the original window openings in this location was explored but it was found that a large steel beam, which interferes with window locations, had been installed when the garage was added. In addition, the original window heights here do not line up with the interior floor height, probably because there was originally an elevator in the location.

On the interior, the building is typical of mill construction. Prior to the recent rehabilitation, it had open floor plans. Walls were exposed brick; floor framing was also exposed. An enclosed office (c. 1930) existed in the northwest corner of the first floor and bathrooms had been added along the rear wall (south) at each floor (c. 1970s). There were two utilitarian staircases with exposed brick walls and wood stairs, in addition to a freight elevator. As part of the recent rehabilitation the building was converted to office use. Most of the partitions that were added are low moveable dividers so that a sense of the original open feeling is retained in many areas. At the second through fourth floors the exposed brick walls remain above sill height. Areas of the exposed ceiling framing remain visible at the fourth floor. The freight elevator was removed but both staircases remain intact.

Archaeological Description

At least one prehistoric site extends onto the Musketaquid Mills property and considerable evidence exists that a high potential was present for the recovery of prehistoric resources at this location. In general, however, the present potential for significant prehistoric resources on the nominated property is low. Seven prehistoric sites are recorded in the general area (within one mile) of the Musketaquid Mills including site 19-MD-47, listed as a large village site. Local histories mention the site as the village of the Wamesits located at the confluence of the Concord and Merrimack Rivers. The village was reportedly abandoned after an attack by Europeans during King Philips War. Other nearby sites include an additional large village site to the west on the south bank of the Merrimack River and several smaller campsites. Environmental characteristics of the area also indicate several locational criteria (slope, soil drainage, distance to wetlands) that are favorable indicators for most types of prehistoric sites. Prior to historic period industrial development of the area, the nominated property was characterized by a well drained level to moderately sloping riverine terrace on the east bank of the Concord River at its confluence with the Merrimack River. Given the above information, a high potential was originally present for the recovery of prehistoric resources at this location. However, given the small size of the property (less than one acre), the impacts associated with several stages of development for Musketaquid Mills from 1909 to 1925 and, the impacts associated with

(continued)

**United States Department of the Interior
National Park Service****National Register of Historic Places
Continuation Sheet**Section number 7 Page 3**Musketaquid Mills
Lowell (Middlesex Co.), Mass.**

construction of several industrial buildings present on the lot in 1876 that would later become Musketaquid Mills, a low potential exists for the recovery of significant prehistoric resources on the property. Any prehistoric resources that were present on the nominated property were probably destroyed by industrial development of the parcel.

There is a high potential for historic archaeological resources on the Musketaquid Mills property. Structural remains may survive from several industrial buildings reported on the current mill property in 1876. Most buildings, none of which survive, probably date to the mid-19th century period. One of the buildings in the southern half of the site was occupied by the White Brothers & Company Leather Factory. In 1902 or 1903, that mill was leased by the Musketaquid Worsted Company who purchased and demolished the earlier mill in 1909. The earliest section of the present structure now occupies that site. Structural evidence may also exist from a tenement and shed, no longer extant, originally located on a lot at the corner of Howe and Davidson Streets also purchased by the Musketaquid Mill Company in 1908. Occupational type features (trash areas, privies, wells) should also survive that are associated with residential and industrial structures. Trash areas may exist from earlier industrial buildings that no longer survive as well as existing structures. Structural remains from water power related features (mill canals, wheel pits etc.) may also be present.

(end)

Musketaquid Mills

Name of Property

8. Statement of Significance**Applicable National Register Criteria**

(Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing.)

- ☒ **A** Property is associated with events that have made a significant contribution to the broad patterns of our history.
- ☐ **B** Property is associated with the lives of persons significant in our past.
- ☒ **C** Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- ☐ **D** Property has yielded, or is likely to yield, information important in prehistory or history.

Criteria Considerations

(Mark "x" in all the boxes that apply.)

Property is:

- ☐ **A** owned by religious institution or used for religious purposes.
- ☐ **B** removed from its original location.
- ☐ **C** a birthplace or grave.
- ☐ **D** a cemetery.
- ☐ **E** a reconstructed building, object, or structure.
- ☐ **F** a commemorative property.
- ☐ **G** less than 50 years of age or achieved significance within the past 50 years.

Narrative Statement of Significance

(Explain the significance of the property on one or more continuation sheets.)

9. Major Bibliographical References

(Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

Previous documentation on file (NPS):

- ☐ preliminary determination of individual listing (36 CFR 67) has been requested
- ☐ previously listed in the National Register
- ☐ previously determined eligible by the National Register
- ☐ designated a National Historic Landmark
- ☐ recorded by Historic American Buildings Survey # _____
- ☐ recorded by Historic American Engineering Record # _____

Middlesex, MA

County and State

Areas of Significance

(Enter categories from instructions)

Architecture

Industry

Period of Significance

1909-1949

Significant Dates

1909, 1931

Significant Person

(Complete if Criterion B is marked above)

Cultural Affiliation

N/A

Architect/Builder

Unknown

Primary location of additional data:

- ☒ _____
- ☐ Other State agency
- ☐ Federal agency
- ☐ Local government
- ☐ University
- ☐ Other

Name of repository:

United States Department of the Interior
National Park ServiceNational Register of Historic Places
Continuation SheetSection number 8 Page 1Musketaquid Mills
Lowell (Middlesex Co.), Mass.

8. STATEMENT OF SIGNIFICANCE

The Musketaquid Mills possesses integrity of location, design, materials, workmanship, feeling and association. It is significant for its role in the industrial development and expansion in Lowell and as the only surviving industrial building in the immediate area. It is also a fine example of typical mill construction from the early 20th century. The Musketaquid Mills meets Criteria A and C for listing in the National Register and is significant on the local level.

The Musketaquid Mills was constructed in three phases between 1909 and c. 1925. By the time it was built, the Belvidere area had become a densely developed cluster of industrial buildings. Map research indicates that as early as 1832 this section of Lowell was known as Belvidere Village. Davidson Street had not yet been laid out but there were a few scattered buildings (not identified as mill buildings) nearby. The first mill in the immediate area was constructed at the south end of Howe Street between 1832 and 1841. By 1876 there were several industrial buildings on the corner lot that would later hold the Musketaquid Mills. Prior to construction of the Musketaquid Mills in 1909 the leather factory of White Brothers & Company occupied the southern half of the site. The White company was established in the mid 19th century and produced leather gloves in a factory on East Merrimack Street for a number of years. Owners Samuel and William White moved the company to the Belvidere site in the late 19th century and took up general leather manufacturing. In addition to the small building near the intersection of Howe and Davidson Streets, they enjoyed much larger facilities across Howe Street, and also at the foot of Howe Street, closer to the Concord River. The White Brothers small mill was virtually surrounded by industrial buildings. The New England Bunting Company had a large factory directly to the west, the Lowell Suburban Railway Company was located to the north on the opposite side of Davidson Street, and the large Belvidere Woolen Company had a series of mill buildings to the south. In 1899 White Brothers became the American Hide and Leather Company. By 1903 they had abandoned the small mill near the corner of Howe and Davidson Streets but continued to operate the two other nearby facilities. By 1902 or 1903 a company known as the Musketaquid Worsted Company leased the former White Brothers building and began textile manufacturing there. Musketaquid Mills purchased the property in 1908 and an adjacent lot to the north which contained a tenement and a shed.

The 1903 city directory lists Edward J. Hylan, who lived nearby on Nesmith Street, as proprietor of the Musketaquid Mills. It is interesting to note that other members of the Hylan family were associated with the adjacent N.E. Bunting Company. The 1908 *Blue Book Textile Directory* reports that Musketaquid Mills was incorporated in 1906 with a capital of \$150,000. Samuel Joelsch of New York is listed as President and Edwin Hylan as Treasurer, Buyer and Superintendent. The firm produced "men's wear and ladies' worsted dress goods." The mill was equipped with 52 broad looms and employed 175 people.

It appears that the Musketaquid Mills company was acquired by the United States Worsted

(continued)

United States Department of the Interior
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Continuation SheetSection number 8 Page 2Musketquid Mills
Lowell (Middlesex Co.), Mass.

Company in 1909. That year the property was transferred from Musketquid Mills to U.S. Worsted Company but the mill continued to operate as Musketquid Mills. The 1922 city directory lists the "Musketquid Mills, U.S. Worsted Co." together. *Davison's Textile Blue Book* of 1922-9123 lists the U.S. Worsted Company, with M.E. Wood as President and Treasurer and John Simson as Vice President. The company was based in New York, but had mills in various east coast cities. They had executive offices at 157 Federal Street in Boston and sales offices in Boston and New York. In Massachusetts, they had mills in Lawrence, Lowell, North Chelmsford, Newton, and Saugus as well as a dye works in Lawrence. In 1909 the old White Brothers mill was replaced by a new Musketquid Mills (the earliest section of the existing structure). This first section consisted of the six southernmost bays of the existing buildings (lower three floors only). In 1912 a small single-story boiler room addition was constructed off the southwest corner of the mill. The third and final phase of construction was undertaken between 1915 and about 1925 when the northern eight bays and the fourth floor were built.

Industrial prosperity in the Belvidere area was somewhat short-lived for most of the businesses. In 1914 the Belvidere Woolen Mills and American Hide & Leather Company mills were sold at auction and eventually the buildings were later taken down. The New England Bunting Company mill was removed in the 1930s. By 1950 only the Musketquid Mills building remained. All other former industrial sites remain vacant except one: the American Hide & Leather Company site on the east side of Howe Street - the mill was replaced by the New England Telephone & Telegraph Company building prior to 1950.

The U.S. Worsted Company continued to operate the Musketquid Mills until 1931 when the property was sold to Albert F. French and his son Leonard, proprietors of A.F. French & Company. French & Company were paper box manufacturers who were established in 1883 and had previously been located on Market Street in Lowell. In his 1930 *History of Massachusetts Industries*, Orra Stone reports that Albert French's "keen foresight, coupled with close application to business and indefatigable energy enabled him to build up a thriving concern, which today enjoys a large and ever-growing clientele." French & Company occupied the Davidson Street mill into the 1980s. In 1988 it was purchased by the current owner who used the building as a storage facility. It was vacant for several years before a major rehabilitation was undertaken. The building is now occupied by the Lowell Department of Welfare.

Archaeological Significance

Historic archaeological resources described above have the potential to provide detailed information on the social, cultural, and economic information responsible for the industrial development and expansion in Lowell during the 19th and 20th centuries. Further documentary research together with archaeological survey and testing can help document the industrial development of the Belvidere Village section of Lowell for which few examples survive. These

(continued)

United States Department of the Interior
National Park ServiceNational Register of Historic Places
Continuation SheetSection number 8/9 Page 3/1Musketaquid Mills
Lowell (Middlesex Co.), Mass.

sources can document the functions of industrial buildings present by the mid 19th century and their importance in a local and regional economy for that period. Structural remains and features associated with the White Brothers & Company Leather Factory may provide important details about the technological process involved with leather manufacture and the types of products that company produced. Evidence might also be present linking the products of the White Brothers & Company with other local manufacturers of shoes, clothing or other leather products. Structural remains and occupational related features associated with potential survivals from the tenement house near the corner of Davidson and Howe Streets may provide important information on mid 19th century workers including their housing and the overall conditions of life for 19th century workers and their families.

(end)

9. BIBLIOGRAPHICAL REFERENCES

- Bailey, *Birdseye View of Lowell, Massachusetts* (1876)
Beard, I.A. and J. Hoar, *Map of the City of Lowell* (1841)
City Directories of Lowell (various years)
Davison's Textile Blue Book (New York: Davison Publishing Co., 1922)
Directory of New England Manufacturers (1936)
Lowell Building Department - Permit Records
Mather, Benjamin, *Plan of the Town of Lowell and Belvidere Village* (1832)
Middlesex County Registry of Deeds
Sanborn Insurance Atlases for Lowell (1892, 1907, 1950, 1977)
Store, Orra L., *History of Massachusetts Industries* (Boston/Chicago: Clarke Publishing Co., 1930)
The Blue Book Textile Directory (New York: Davison Publishing Company, 1922)

(end)

Musketaquid Mills
Name of Property

Middlesex, MA
County, State

10. Geographical Data

Acreage of Property less than one acre

UTM References See continuation sheet.

(Place additional UTM references on a continuation sheet)

1. 19 311080 4723600
Zone Easting Northing

2.
Zone Easting Northing

3.
Zone Easting Northing

4.
Zone Easting Northing

See continuation sheet

Verbal Boundary Description

(Describe the boundaries of the property on a continuation sheet.)

Boundary Justification

(Explain why the boundaries were selected on a continuation sheet.)

11. Form Prepared By

name/title Christine Beard, consultant, with Betsy Friedberg, MHC, NR director

organization Massachusetts Historical Commission date October 1999

street & number 220 Morrissey Boulevard telephone 617-727-8470

city or town Boston state MA zip code 02125

Additional Documentation

Submit the following items with the completed form:

Continuation Sheets

Maps

A **USGS map** (7.5 or 15 minute series) indicating the property's location.

A **sketch map** for historic districts and properties having large acreage or numerous resources.

Photographs

Representative **black and white photographs** of the property.

Additional items (Check with the SHPO or FPO for any additional items)

Property Owner

(Complete this item at the request of the SHPO or FPO.)

name George D. Behrakis/Mer-Con Realty Trust

street & number P.O. Box 748 telephone 508-640-0264

city or town Andover state MA zip code 01810

Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 et seq.).

Estimated Burden Statement: Public reporting burden for this form is estimated to average 18.1 hours per response including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Chief, Administrative Services Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127; and the Office of Management and Budget, Paperwork Reductions Project (1024-0018), Washington, DC 20503.

**United States Department of the Interior
National Park Service**

**National Register of Historic Places
Continuation Sheet**

Section number 10 Page 1

**Musketaquid Mills
Lowell (Middlesex Co.), Mass.**

10. GEOGRAPHICAL DATA

Verbal Boundary Description

Boundaries of the nominated property encompass land defined by the City of Lowell as Map 178, Lot 25.

Boundary Justification

The boundaries include the entire city block that has historically been associated with Musketaquid Mills.

(end)

CERTIFIED PLOT PLAN
MAP 178 LOT 25

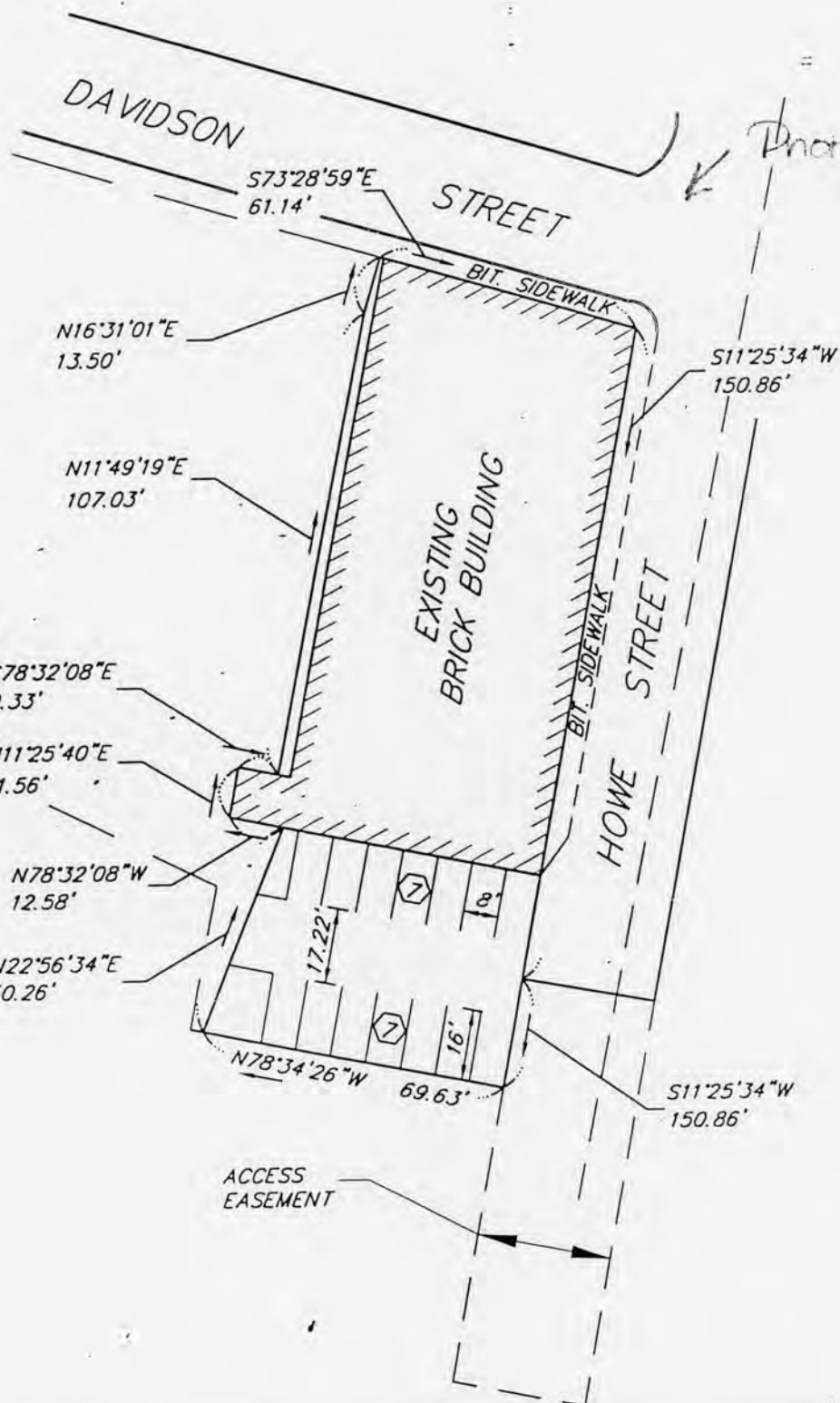
131 DAVIDSON STREET
LOWELL, MA

MARCH 15, 1996

SCALE: 1"=40'



CUOCO & CORMIER
ENGINEERING ASSOCIATES, INC.
CIVIL ENGINEERS - LAND SURVEYORS
39 SIMON STREET - UNIT 10 - NASHUA, NH 03060 603-882-1912
170 MAIN ST. UNIT 22 - TEWKSBURY, MA 01876 603-821-9007



UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY Musketaquid Mills
NAME:

MULTIPLE
NAME:

STATE & COUNTY: MASSACHUSETTS, Middlesex

DATE RECEIVED: 11/05/99 DATE OF PENDING LIST: 11/16/99
DATE OF 16TH DAY: 12/02/99 DATE OF 45TH DAY: 12/20/99
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 99001480

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: N LANDSCAPE: N LESS THAN 50 YEARS: N
OTHER: N PDIL: N PERIOD: N PROGRAM UNAPPROVED: N
REQUEST: N SAMPLE: N SLR DRAFT: N NATIONAL: N

COMMENT WAIVER: N

☒ ACCEPT ☐ RETURN ☐ REJECT 12/9/99 DATE

ABSTRACT/SUMMARY COMMENTS:

Entered in the
National Register

RECOM./CRITERIA _____

REVIEWER _____ DISCIPLINE _____

TELEPHONE _____ DATE _____

DOCUMENTATION see attached comments Y/N see attached SLR Y/N



Musketaquid Mills
131 Davidson St.
Lowell, MA

Photograph by: Christine Beard
March, 1998

Negative: Tremont Preservation Services
65 High St.
Topsfield, MA

View. of west elevation, looking northeast

Photo 1 of 2



Musketaguid Mills
131 Davidson St
Lowell, MA

Photographer: Christine Beard
March, 1998

Negative: Tremont Preservation Services
65 High St.
Topsfield, MA

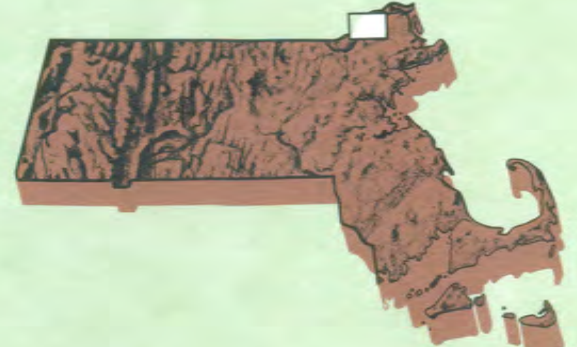
View: of north elevation, looking southwest

Photo 2 of 2

MUSKETAQUID MILLS
LOWELL (MIDDLESEX), MA 42071-F3-TM-025

Lowell

MASSACHUSETTS-
NEW HAMPSHIRE
1:25 000-scale metric
topographic map



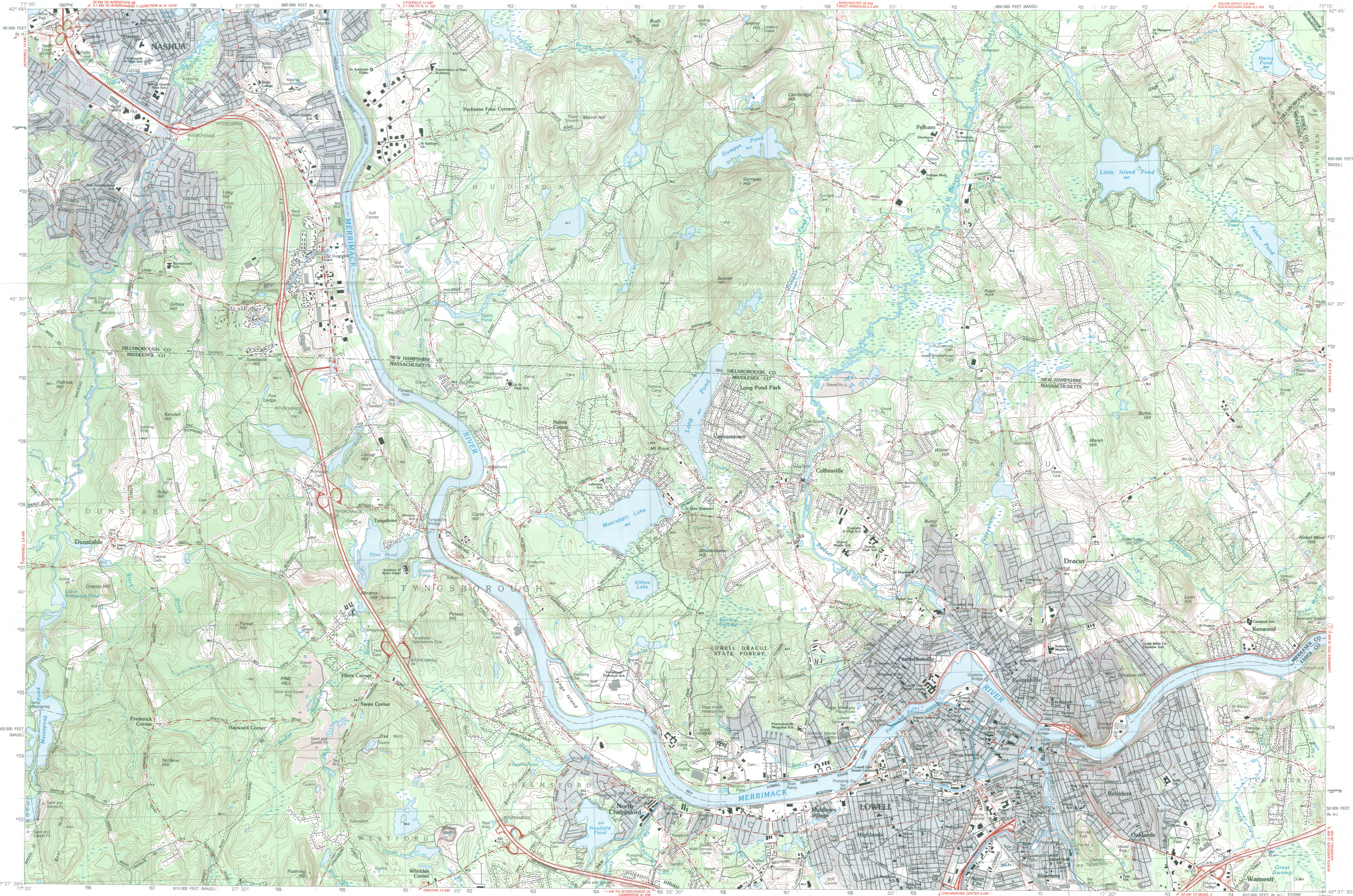
7.5 X 15 MINUTE QUADRANGLE
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1987



Produced by the United States Geological Survey in cooperation with Massachusetts Department of Public Works
Control by USGS, NOS/NOAA, and Commonwealth of Massachusetts agencies
Compiled by photogrammetric methods from aerial photographs taken 1981. Field checked 1983. Map edited 1987
This area also covered by 7.5-minute 1:24,000-scale maps: Nashua South 1965 and Lowell 1966
Projection and 1000-meter grid, zone 19
Universal Transverse Mercator
10,000-foot grid ticks based on Massachusetts coordinate system, mainland zone, and New Hampshire coordinate system
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 6 meters south and 40 meters west as shown by dashed corner ticks
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 3 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST 0.5 METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet			1	2	3	
1	3.2808			4	5	6	
2	6.5617			7	8		
3	9.8425						
4	13.1234						
5	16.4042						
6	19.6850						
7	22.9659						
8	26.2467						
9	29.5276						
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1983 magnetic (MN) at center of map					
To convert feet to meters multiply by 0.3048		Diagram is approximate					

1 Milford
2 Nashua
3 Haverhill
4 Townsend
5 Lawrence
6 Andover
7 Billerica
8 Reading

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light-duty road, hard or improved surface	
Unimproved road, trail	
Route marker: Interstate, U. S. State	
Railroad: standard gauge; narrow gauge	
Bridge: drawbridge	
Footbridge; overpass; underpass	
Rail-up area: city selected landmark buildings shown	
Houses; barn; church; school; large structure	
Boundary:	
National, with monument	
State	
County; parish	
Civil township, precinct, district	
Incorporated city, village, town	
National or State reservation; small park	
Land grant with monument; found section corner	
U. S. public lands survey; range, township; section	
Range, township; section line: location approximate	
Power or field line	
Power transmission line, located tower	
Dam; dam with lock	
Cemetery; grave	
Campground; picnic area; U. S. location monument	
Wetland: water; wet; spring; small park	
Mine shaft; prospect; adit or cave	
Control: horizontal station; vertical station; spot elevation	
Contours: index; intermediate; supplementary; depression	
Distorted surface: strip mine; levee; sand	
Bathymetric contours: index; intermediate	
Perennial lake and stream; intermittent lake and stream	
Rapids, large and small; falls, large and small	
Swamp; marsh	
Submerged marsh; land subject to controlled inundation	
Woodland; scattered trees	
Shrub; mangrove	
Drain; swayed	

A pamphlet describing topographic maps is available on request



The Commonwealth of Massachusetts

William Francis Galvin, Secretary of the Commonwealth
Massachusetts Historical Commission

October 25, 1999

Ms. Carol Shull
National Register of Historic Places
Department of the Interior
National Park Service
Mail Stop 2280, Suite 400
1849 C Street, NW
Washington, DC 20240

Dear Ms. Shull:

Enclosed please find the following nomination form:

Musketaquid Mill, 131 Davidson St., Lowell (Middlesex Co.), Mass.

The nomination has been voted eligible by the State Review Board and has been signed by the State Historic Preservation Officer. The owners of the property in the Certified Local Government community of Lowell were notified of pending State Review Board consideration 60 to 90 days before the meeting and were afforded the opportunity to comment.

Sincerely,

A handwritten signature in cursive script that reads "Betsy Friedberg".

Betsy Friedberg
National Register Director
Massachusetts Historical Commission

enclosure

cc: George Behrakis/Mer-Con Realty Trust, owner
Debra Grossman, Lowell Historical Commission
Christine Beard, Preservation Consultant
Hon. Irene Donahue, Mayor, City of Lowell
Stephen Stowell, Lowell Historical Commission
Denise Sullivan, Division of Planning & Development

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