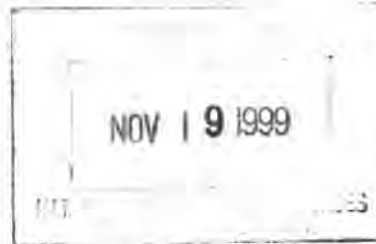


United States Department of the Interior
National Park Service

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 Al Mac's Diner - Restaurant (The Diners of Massachusetts MPS)

other names/site number N/A

2. Location

street & number 135 President Avenue not for publication

city or town Fall River vicinity

state Massachusetts code MA county Bristol code 005 zip code 02722

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.)

Judith B. McDonough ef
Signature of certifying official/Title Judith B. McDonough, Executive Director

11/12/99
Date

Massachusetts Historical Commission, State Historic Preservation Officer

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):

Signature of the Keeper

Patrick Andrews

Date of Action

12/20/99

Al Mac's Diner – Restaurant
Name of Property

Fall River, Bristol County, Massachusetts
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	0	building
0	0	sites
0	0	structures
0	0	objects
1	0	Total

Name of related multiple property listing

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

Twentieth-Century Commercial Architecture:

The Diners of Massachusetts

Number of contributing resources previously listed in the National Register

N/A

6. Function or Use

Historic Functions

(Enter categories from instructions)

COMMERCE/TRADE/restaurant

Current Functions

(Enter categories from instructions)

COMMERCE/TRADE/restaurant

7. Description

Architectural Classification

(Enter categories from instructions)

Other: Stainless Steel Diner

Materials

(Enter categories from instructions)

foundation concrete

walls stainless steel

porcelain enamel

roof rubber membrane

other

Narrative Description

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

Al Mac's Diner – Restaurant

Name of Property

Fall River, Bristol County, Massachusetts

County and State

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.)

Areas of Significance

(Enter categories from instructions)

Architecture

Commerce

Period of Significance

1953

Significant Dates

1953

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

DeRaffele Diners

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 # _____

Primary location of additional data:

- ☒ State Historic Preservation Office
- ☐ Other State agency
- ☐ Federal agency
- ☐ Local government
- ☐ University
- ☐ Other

Name of repository: _____

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

The Diners of Massachusetts MPS
Al Mac's Diner – Restaurant
Fall River (Bristol Co.), MA

Section number 7 Page 1

7. Description

Al Mac's Diner – Restaurant, 135 President Avenue, Fall River (1953), is the oldest of four diners in Massachusetts constructed by the DeRaffele Diners, later known as DeRaffele Manufacturing Company, Inc., of New Rochelle, New York. Al Mac's is a fine example of a 1950s stainless steel diner.

The diner is located approximately one mile north of the city's downtown business district and approximately one-quarter mile east of the Taunton River. The diner sits in a shopping center, immediately east of the elevated highway that carries State Route 138 through the city's downtown area. Currently, the diner is oriented with one side wall fronting President's Avenue (a segment of U. S. Route 6), and its façade fronting Davol Street and the elevated highway. There is a large parking lot between the diner and Davol Street. South of the diner is the shopping center with additional parking. For the purpose of this nomination the shopping center, although on the same parcel as the diner, is excluded.

Al Mac's is a steel-frame diner with stainless steel cladding that incorporates horizontal and vertical bands in teal-colored porcelain enamel. Roughly nine bays wide and three bays in depth with rounded front corners and a projecting entry vestibule, the diner has a high foundation and a low-profile, rounded hipped roof. The vertical fluted porcelain enamel corners offset by flared stainless steel pilasters are a feature of DeRaffele diners of the 1950s. [Gutman, p.154] The projecting entry vestibule, centered on the facade, is a character-defining feature of stainless steel diners of this period. The vestibule is rectangular with steel and glass entries on either side and a clock centered over the front window. Windows in the diner are fixed plate glass. Flared stainless steel pilasters projecting between the windows serve an ornamental as well as functional purpose: they contain the downspouts for channeling roof run-off to the ground. Large-scale neon signage on the roof identifies Al Mac's as a diner and a restaurant, and notes the business has been "justly famous" since 1910. At the rear (eastern side) of the diner is a one-story concrete kitchen block (ca. 1990s) on a poured concrete foundation. This addition is unobtrusive and does not compromise the integrity of the 1953 diner.

On the interior, Al Mac's has a counter placed left of center with twenty steel counter stools and a center staff entrance. Booth seating is located along the west, south, and a portion of the east walls, with two freestanding booths at the center of the southern end. The countertop is replacement Formica and booths are clad in Formica with sparkle vinyl seat coverings. The original interior color scheme was salmon and pale green, which is still present on the steel-trimmed, porcelain enamel monitor ceiling. Other intact interior finishes include terrazzo on the floors and at the counter foot rest, a steel back bar with sunburst motif, and walls with steel panels below the windows and Formica above. The manufacturer's tag, located on the interior over the entry, reads *DE RAFFELE DINER MFG. 85 River Street, New Rochelle, NY.*

In the mid-1970s, Al Mac's was moved to its current site from its original location, northwest of the intersection of President Avenue and Davol Street. The original site, now the location of Fall River's Bicentennial Park, is northwest of the President Avenue – Davol Street intersection. At its current location, the diner initially faced President's Avenue, according to the Fall River Historical Society. In the last decade, the diner was turned ninety degrees on the same site, to its present orientation facing Davol Street.

(continued)

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

The Diners of Massachusetts MPS
Al Mac's Diner – Restaurant
Fall River (Bristol Co.), MA

Section number 7/8 Page 2/1

Archaeological Description

While no prehistoric sites have been identified on the nominated property, it is possible that sites are present. Two sites have been recorded in the general area (within one mile), both sites in the Town of Somerset on the opposite bank of the Taunton River. Environmental characteristics of the property indicate some locational criteria (slope, distance to wetlands) that are favorable indicators for prehistoric sites. In general, however, historic landuse in the area characterized by industrial and commercial development have likely impacted any potential prehistoric resources that were present. Given the above information, the potential for recovering significant prehistoric resources on the property is low.

A moderate potential exists for locating historic archaeological resources on the nominated property. The potential for recovering significant archaeological resources associated with the diner are unlikely because of the recent date for the diner (1953) and because the diner was moved to its present site in the mid- 1970's then re-oriented twice at this location. Previously, the immediate vicinity included a furniture dealer, a brewing company, gas stations, a coal company, a lumber company, service stations, car dealers and a few residences. Structural evidence from any of these enterprises and homes, which may date to the 19th century or earlier, may survive on the nominated property. Urban/industrial fill deposits may also be present in the area. Significant impacts have also probably occurred from successive stages of historic development that included roadway construction. Given the above information, a moderate potential exists for the recovery of significant historic archaeological resources on the property.

8. Statement of Significance

Al Mac's Diner - Restaurant is a fine example of a stainless steel diner, both in Fall River and Massachusetts. DeRaffele Diners of New Rochelle, New York, a company closely associated with the construction of large stainless steel diners in the 1950s, built Al Mac's in 1953. The diner is the oldest of four DeRaffele diners in Massachusetts. Historically, Al Mac's is associated with Allen J. McDermott, proprietor of diners and restaurants in Fall River, who carried on a family tradition of Fall River lunch carts and diners that extended from the 1910s through the late 1960s. Establishment of Al Mac's as a diner-restaurant reflects a trend in the diner industry, beginning in the 1950s, that saw diner operators striving to create a restaurant ambience. For these reasons, Al Mac's is of exceptional significance on both the local and state levels. The diner's relocation in the mid-1970s from a site one block away, and its reorientation on its current site in the last decade, are typical of the portable nature of diners and have not adversely impacted the diner's historic and architectural integrity. The diner maintains a roadside orientation and setting at its current location. Retaining integrity of design, setting, materials, workmanship, feeling, and association, Al Mac's Diner-Restaurant meets Criteria A and C and Criteria Considerations B and G of the National Register of Historic Places at the local and state levels.

Al Mac's Diner - Restaurant reflects the longtime contribution of Allen J. McDermott to the diner business in Fall River. McDermott was one of a family of lunch cart and diner operators who were active in the city from the 1910s through at least the late 1960s. Michael H. McDermott, believed to be Allen McDermott's father, first appeared in Fall River city directories with the occupation "lunch cart" in 1914. Before 1914, his occupation is noted as "clerk." By 1925, Allen McDermott had entered the restaurant business, operating a restaurant at 323 Pocasset Street, Fall River. He formed

(continued)

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

**National Register of Historic Places
Continuation Sheet**

**The Diners of Massachusetts MPS
Al Mac's Diner – Restaurant
Fall River (Bristol Co.), MA**

Section number 8 **Page** 2

McDermott Lunch Company with Frank McDermott about 1926, and the business moved to 1000 Davol Street in 1929. The present DeRaffele diner opened on this site – its original location – in 1953. In 1954, the year after Al Mac's opened, the Fall River directory listed eleven restaurants with "diner" or "dinette" in their names. In addition to Al Mac's, there was the Square Diner at 8 County Street (known to be one location of the McDermott Lunch Company in 1933); McDermott's Diner at 2011 South Main Street; and Russ McDermott's Diner at 1382 Davol Street, at the northernmost end of the street. Mary L. McDermott ran the restaurant once operated by Allen McDermott at 323 Pocasset Street.

Over the years, Allen McDermott reportedly had "so many diners they cannot all be accounted for." [Gutman, 158] Account books for the Worcester Lunch Car Company show an entry in 1931 involving a trip to Fall River to "level McDermott's car." McDermott's diners also included a late 1930s White House Café built by the Worcester Lunch Car Company, and a late 1940s Fodero that housed Al Mac's diner before the existing DeRaffele diner was purchased. [Gutman, 108, 158] Al Mac's appears to be the last new diner operation associated with McDermott before his retirement about 1967. By the time the current Al Mac's opened in 1953, McDermott had moved to the neighboring town of Somerset. A review of Somerset directories suggests Allen McDermott died between 1968 and 1971.

The industrial/commercial nature of the Davol Street intersection with President Avenue was established before World War II. By the early 1950s, the immediate vicinity included a furniture dealer, a brewing company, gas stations, a coal company, a lumber company, service stations, car dealers, and a few residences. Until the mid-1970s, Al Mac's occupied a site on the west side of Davol Street between President Avenue and Brownell Street; that site is now the location of Bicentennial Park. The diner was moved around the corner, to a site southeast of the Davol Street – President Avenue intersection. On the second site, the diner was placed with its façade oriented toward President Avenue. More recently, the diner was turned ninety degrees on the same site, to its present orientation facing Davol Street and the Route 138 overpass.

Advertised by its rooftop neon signage as a diner and restaurant, Al Mac's reflects a trend in the diner industry that first surfaced in the 1950s and completely transformed the industry in the 1960s. [Gutman] The move toward providing a more family-oriented dining establishment produced larger diners that emphasized table and booth service. Cooking was removed from the area behind the counter to a separate kitchen, usually at the rear. By drawing families, diners could provide an alternative to, and therefore could better compete with, the booming fast food chains. Al Mac's, with its rectangular massing, low-pitched roof, projecting center-entry vestibule, and rear kitchen wing, is a well preserved representative of the form most common among stainless steel diners in Massachusetts.

Archaeological Significance

Historic archaeological resources described above have the potential to provide detailed information relating to Fall River's urban development that may date to the 18th or 19th centuries in the vicinity of the nominated property. Additional documentary research including deed research possibly combined with archaeological testing can be used to document a specific land use history for the nominated property. This research can identify the potential for recovering structural remains and occupational related features for specific residential, commercial and industrial sites on the property. Information may be present which indicates the extent to which these resources were associated with maritime developments that occurred along the waterfront east of Davol Street.

(end)

Al Mac's Diner – Restaurant
Name of Property

Fall River, Bristol County, Massachusetts
County and State

10. Geographical Data

Acreege of Property less than one acre

UTM References See continuation sheet.

(Place additional UTM references on a continuation sheet)

1.	19	320750	4620280
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 Kathleen Kelly Broomer, consultant, with Betsy Friedberg, NR Director, MHC

organization Massachusetts Historical Commission date July 1999

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

city or town Boston state Massachusetts 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 R. Family Incorporated

street & number 135 President Avenue telephone 508-679-5851

city or town Fall River state MA zip code 02722

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. NPS Form 10-900 OMB No. 1024-0018

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

The Diners of Massachusetts MPS
Al Mac's Diner – Restaurant
Fall River (Bristol Co.), MA

Section number 9/10 Page 1

9. Major Bibliographical References

Gutman, Richard J. S. *American Diner Then and Now*. New York: Harper Collins Publishers, 1993.
Diner Finder Deluxe: Massachusetts. Watertown, MA: Coffee Cup Publications, 1991.
Fall River Historical Society, Jamelle Tanous Lyons, archivist. Directory information on Allen McDermott and directory and map information on location of diner. September 6, 1997.
Worcester Lunch Car Company Record Books, 1914-1967. File cards on lunch car construction [no date on card referencing diner #629 owned by McDermott of Fall River] and account book for 1928-1931. Worcester Historical Museum.
Directory of Dighton, Rehoboth, Seekonk, Somerset & Swansea (1967-1968, 1971). Newport, RI: Eastern Publishing Co., years as noted.
Fall River Directory for various years (1910 to 1938). Boston: Sampson & Murdock Co.
Polk's Fall River City Directory (1943, 1954, 1963, 1967, 1983). Boston: R. L. Polk & Co. Publishers, years as noted.

(end)

10. Geographical Data

Verbal Boundary Description

Lots 0-16-2 to 0-16-8 inclusive, plus lots 0-16-12 and 0-16-15, are considered one parcel. For the purpose of this nomination, the boundary of the nominated property is shown on the accompanying detail of the City of Fall River's assessors' map. An arbitrary boundary line of 10 feet has been drawn around the diner itself in each direction.

Boundary Justification

The arbitrary boundary includes only the diner itself since its placement on the current site in the mid-1970s. As the diner was moved to its present location in the 1970s, the shopping center and associated parcel of land is not historically associated with Al Mac's Diner, thus a line of convenience 10' from the diner walls has been drawn.

(end)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: RESUBMISSION

PROPERTY NAME: Al Mac's Diner--Restaurant

MULTIPLE NAME: Diners of Massachusettes MPS

STATE & COUNTY: MASSACHUSETTES, Bristol

DATE RECEIVED: 11/19/99 DATE OF PENDING LIST:
DATE OF 16TH DAY: DATE OF 45TH DAY: 01/03/2000
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 99001119

NOMINATOR: STATE

DETAILED EVALUATION: N

___ACCEPT___RETURN___REJECT___DATE

ABSTRACT/SUMMARY COMMENTS:

*On resubmission, boundary has be redrawn to
exclude modern shopping center.*

RECOM./CRITERIA *accept A&C*

REVIEWER *Patrick Andrews* DISCIPLINE *Historian*

Phone _____ Date *12/20/99*

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



Al Mac's Diner - Restaurant
135 President Avenue
Fall River, Bristol County, Mass

View SE

1998

Photo: KK Broomer

Neg: MHC



Al Mac's Diner-Restaurant
135 President Avenue
Fall River, Bristol County, Mass.

Interior view SE
1998

Photo: KK Broome

Neg: MHC



The Commonwealth of Massachusetts

William Francis Galvin, Secretary of the Commonwealth

November 10, 1999

Massachusetts Historical Commission

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 a revised National Register nomination for:

Al Mac's Diner, Fall River (Bristol), MA
The Diners of Massachusetts MPS (NPS #99001119)

The nomination was returned to this office for a boundary line amendment.

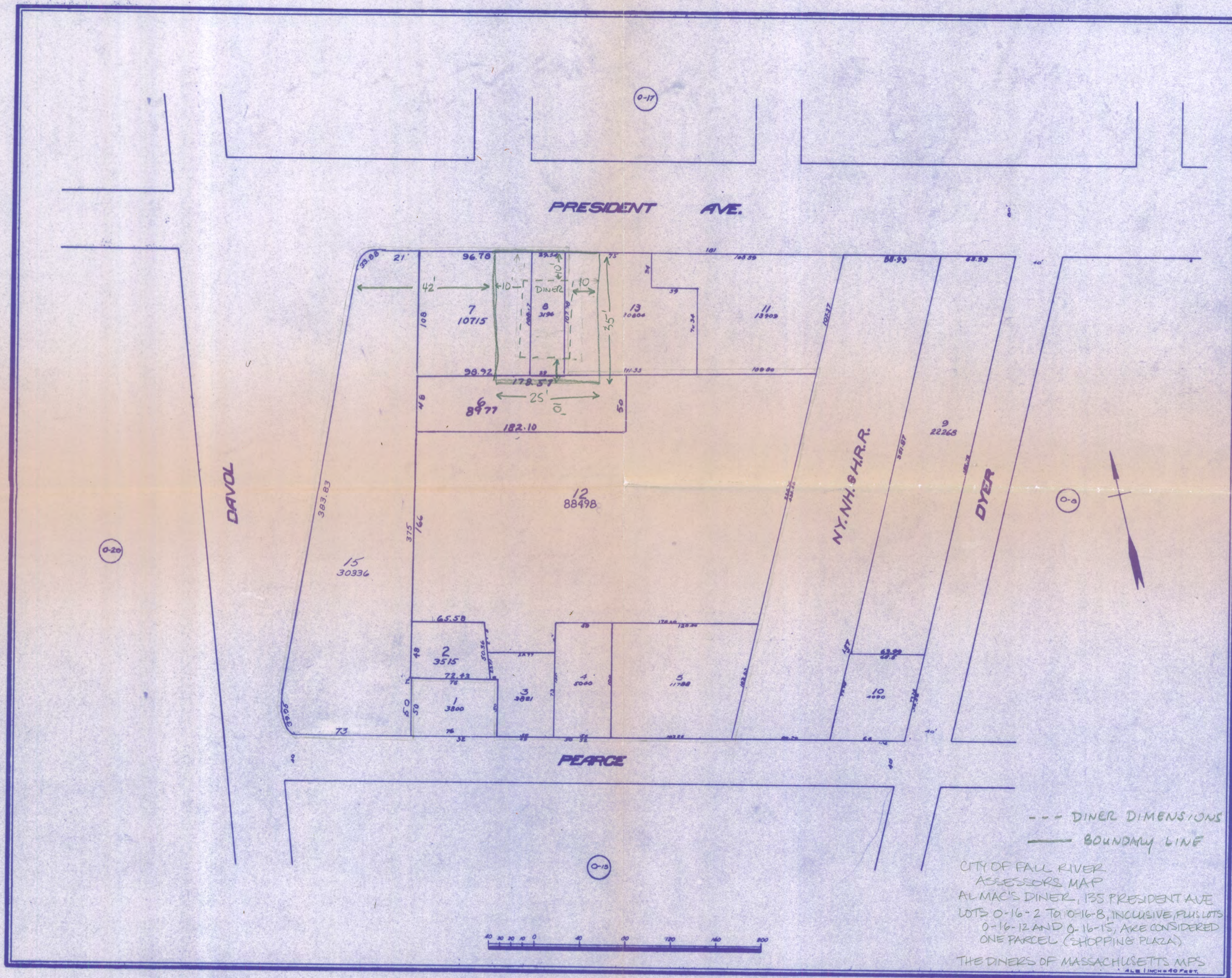
Sincerely,

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

Betsy Friedberg
National Register Director
Massachusetts Historical Commission

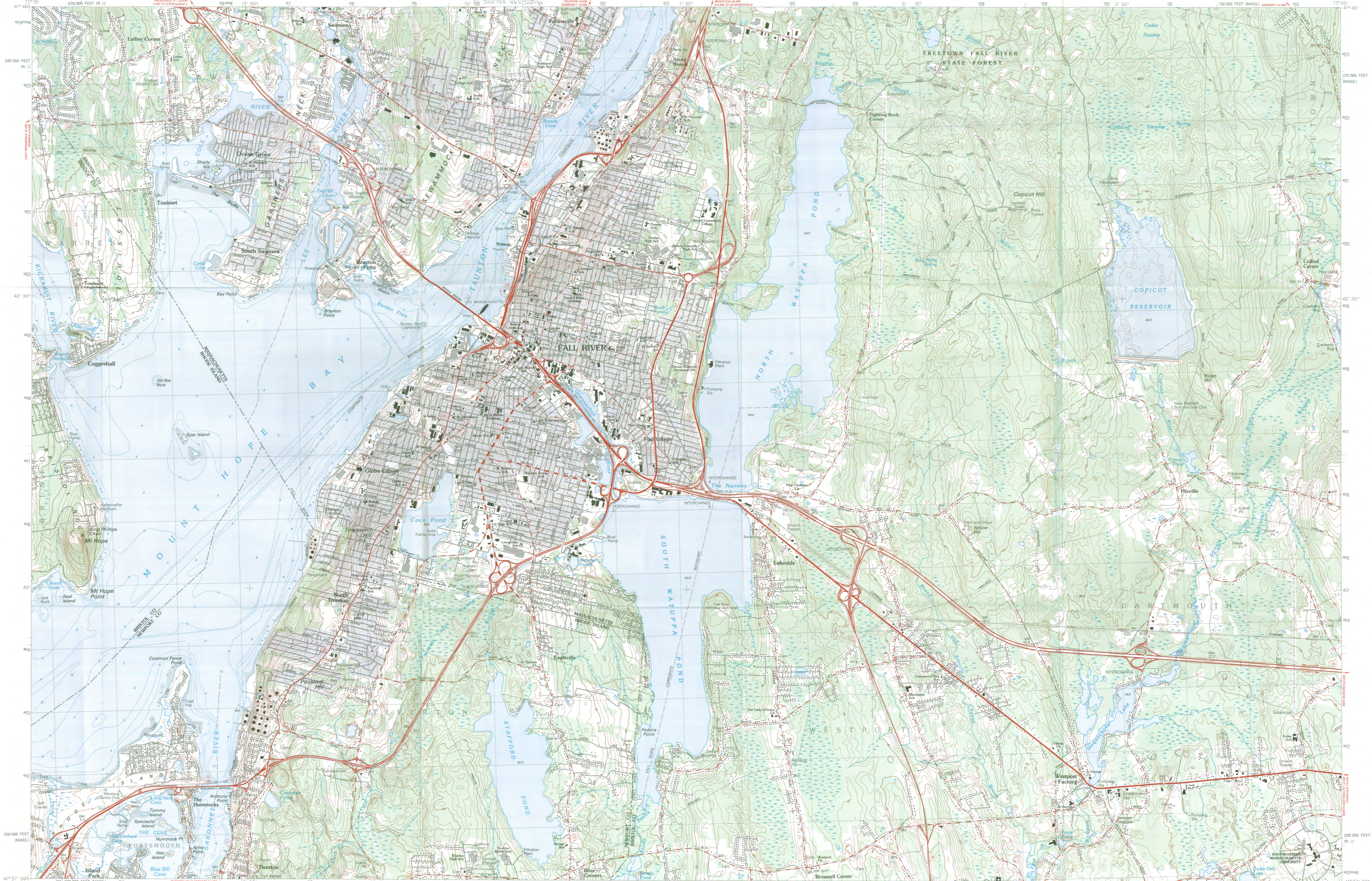
Cc: Kathleen Kelly Broomer, consultant
Gelm Realty Trust Co., owners
Ron Roy, chair, Fall River Historical Commission
Edward M. Lambert, Jr., Mayor, City of Fall River

RECEIVED
SEP 30 1999
MASS. HIST. COMM.



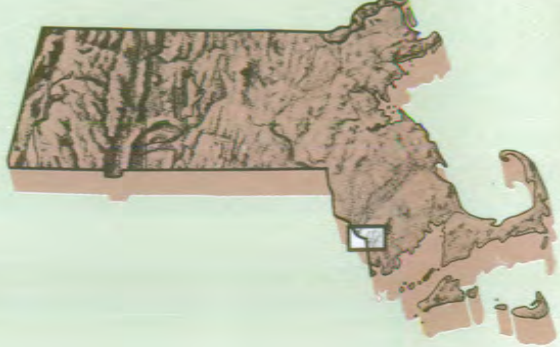
FALL RIVER, MASSACHUSETTS—RHODE ISLAND

7.5 X 15 MINUTE SERIES (TOPOGRAPHIC)



Fall River
MASSACHUSETTS
RHODE ISLAND

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

1985

Produced by the United States Geological Survey
in cooperation with Massachusetts Department
of Public Works
Controlled by USGS, NOS/NOAA, and Commonwealth of
Massachusetts agencies

Compiled by photogrammetric methods from aerial photographs
taken 1980. Field checked 1981. Map edited 1985
The east half of this area also covered by 7.5 minute
1:24,000-scale map: Fall River dated 1967.
The east half of this area supersedes Fall River East
1:25,000-scale map dated 1978.

Selected hydrographic data compiled from NOS charts 13221 (1982)
and 13222 (1980). This information is not intended for navigational
purposes.

Projection and 1000-meter grid: Universal Transverse
Mercator, zone 19
10,000-foot grid ticks based on Massachusetts coordinate
system, mainland zone, and Rhode Island coordinate system
1927 North American Datum

To place on the predicted North American Datum 1983
move the projection lines 6 meters south and
42 meters west as shown by dashed corner ticks
There may be private landholdings 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
DEPTH CURVES AND SOUNDINGS IN METERS

DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE
OF MEAN HIGH WATER

THE MEAN RANGE OF TIDE IS APPROXIMATELY 1.3 METERS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9658
8	26.2467
9	29.5275
10	32.8084

DECLINATION DIAGRAM

Declination diagram showing magnetic north (MN) and true north (GN) lines. The angle between them is 17° 5' (17.833 degrees). The magnetic north line is labeled 17° 5' 276 MILS and the true north line is labeled 1° 25' 25 MILS.

ADJOINING MAPS

1	2	3
4	5	6
7	8	9

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1	2	3
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ADJOINING MAPS

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4	5	6
7	8	9

ADJOINING MAPS

1	2	3
4	5	6
7	8	9

ADJOINING MAPS

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ADJOINING MAPS

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10	32.8084

DECLINATION DIAGRAM

Declination diagram showing magnetic north (MN) and true north (GN) lines. The angle between them is 17° 5' (17.833 degrees). The magnetic north line is labeled 17° 5' 276 MILS and the true north line is labeled 1° 25' 25 MILS.

ADJOINING MAPS

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4	5	6
7	8	9

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CONVERSION TABLE

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9658
8	26.2467
9	29.5275
10	32.8084

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To convert meters to feet
multiply by 3.2808
To convert feet to meters
multiply by 0.3048

UTM grid convergence
(GN and 1983 magnetic
declination (MI)
at center of map
Diagram is approximate

1 Providence
2 Pawtucket
3 Woonsocket
4 Bristol
5 Fall River
6 Taunton
7 Pawtucket
8 New Bedford
9 Fall River

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	.....
Built-up area: only selected landmark buildings shown	.....
House, 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	.....
Fence or field line	.....
Power transmission line, located tower	.....
Dam; dam with lock	.....
Cemetery; grave	.....
Campground; picnic area; U.S. location monument	.....
Windmill; water well, spring	.....
Mine shaft; prospect; adit or open	.....
Control: horizontal station; vertical station; spot elevation	.....
Contours: index; intermediate; supplementary; depression	.....
Distorted surface: strip mine, lava, sand	.....
Bathymetric contours; index; intermediate	.....
Perennial lake and stream; intermittent lake and stream	.....
Rapids, large and small; falls, large and small	.....
Submerged marsh; marsh, swamp	.....
Land subject to controlled inundation; meadow	.....
Scrub; mangrove	.....
Orchard; vineyard	.....

A pamphlet describing topographic maps is available on request