2290 MDC - TRA, MASS.

FORM F - STRUCTURE

DEC 0 5 1989

AREA	FORM NO.
	3-3

MASSACHUSETTS HISTORICAL COMMISSION
80 BOYLSTON STREET
BOSTON, MA 02116

Town Framingham

Address West of intersection of Winter and Fountain Streets

Name Framingham Reservoir #2 Dam & Gatehouse

Ownership: MDC Public

_____ Private

Photo (3"x3" or 3"x5" black and white)
Indicate address on back of photo.
Staple to left side of form.

Type of Structure (check one):

bridge		pound	
canal		powder house	
dam	X	street	
fort		tower	
gate		tunnel	
kiln		wall	
lighthouse		windmill	

other and gatehouse

Sketch Map: Draw map showing structure's location in relation to nearest cross streets, buildings and/or geographical features. Indicate all buildings between inventoried property and nearest intersection.
Indicate north. see attached

DESCRIPTION

Date 1877-1879

Source Internal Report, Desmond Fitzgerald, 1898

Architect Engineer/Designer (if known):
George Clough, Architect

Construction material earth, granite, concrete

Alterations (with dates) n/a

Condition good

Moved no Date _____

Acreage approximately one acre

Setting crowded suburban commercial and and residential area

UTM REFERENCE 19/298340/4683860

USGS QUANDRANGLE Framingham, MA

SCALE 1:25,000

Recorded by Jane Carolan

Organization Louis Berger & Associates

Date February 1984

NATIONAL REGISTER CRITERIA STATEMENT (if applicable)

Framingham Reservoir #2 Dam and Gatehouse are significant for their association with the Sudbury Supply, the second water supply system built by the Metropolitan Water Board of the city of Boston. The Dam and Gatehouse are examples of muncipal water technology and architecture of the mid to end of the nineteenth century (1876-1878). The gatehouse is further considered eligible since it was designed by George Clough, Boston City Architect from 1873 to 1883. The dam and gatehouse retain integrity of location, design, setting, materials, workmanship and feeling and meet Criteria A and C of the National Register of

(continued

ARCHITECTURAL SIGNIFICANCE Describe important design features and evaluate in terms of other structures within the community.

Framingham Reservoir #2 Dam and Gatehouse is in the crowded suburban town of Framingham. This is the southernmost reservoir of the three Framingham Reservoirs. It runs north/south and is crossed, at its southern end, by Conrail tracks.

The gatehouse is a granite rectangular structure with a steep hipped roof, an eyebrow dormer and brick chimney. The structure has round arched doors and windows and rough cut granite walls with smooth granite quions, cornice, and window and door surrounds.

The gatechamber, inside the gatehouse, contains four 4'x'5' gates which regulate water flow from Reservoir #1 and #2; three 4'x'5' gates and two 4.5' x 4' gates which regulated water into a 48" pipe which was connected with Dam #1; and a 24" pipe to Ashland Reservoir. The dam above the foundation was constructed by S.V. Trull and N.Wood, Cohoe, NY and E.F. Murray, Troy, NY. The gatehouse was constructed by James Fagin, Boston and designed by George A. Clough, Boston City Architect.

The dam has a masonry overfall centered between two earthen embankments. The embankments have core walls of granite rubble masonry laid in cement on a foundation of compacted sand. (cont.)

HISTORICAL SIGNIFICANCE Explain historical importance of structure and how the structure relates to the development of the community.

The three Framingham Reservoirs, including dams and gatehouses, were constructed during the phase II expansion of Boston's municipal water supply system (1875-95; refer to Overview, Section 8, pp. 2-6 for additional information). Basically this phase supplemented the Cochituate Aqueduct (Area A) of phase I by extending the system further west to the Sudbury River water shed. The major nominated resources associated with this phase are the Sudbury Aqueduct (Area B) and the three Framingham Reservoirs (3-2, 3, 4). Although its water quality was not the highest, the Sudbury River was selected as Boston's new source in 1872 because it would provide a large and consistent amount of water. The Framingham Reservoirs were built in an attempt to ameliorate the problem of water quality. They served as giant settling basins that allowed natural cleansing of the water by pooling it and letting heavier foreign material fall to the bottom. Mains in the dams were placed so that water could be taken at higher levels to avoid pollution. Under the direction of Joseph P. Davis, a civil engineer, and Alphonse Fteley, Resident Water Board Engineer, the Sudbury Aqueduct was constructed from Farm Pond in Framingham to the Chestnut Hill Reservoir (Area E) in Brighton, along with three settling and storage reservoirs on the north branch of the Sudbury River in Framingham, and a conduit from the dam at Framingham Reservoir #1 to Farm Pond. The Ashland Reservoir (4-3) was added to the system in 1885 as reservoir #4, as was the Hopkinton Reservoir (4-4) in 1891 as reservoir #6. The long-planned Sudbury Reservoir (see Area F) was added as reservoir #5 in 1893. While the Framingham Reservoirs, Gatehouses and Dams are intact today, increasing industrial development in the area surrounding the reservoirs has made the water unsuitable for use. Thus they have been removed from service.

BIBLIOGRAPHY and/or REFERENCES

Internal Report by Desmond Morris to Frederic Stearns on the Sudbury River Works, 15 June 1898
Boston Water Works. Additional Supply from Sudbury River Description of the Work, 1882

INVENTORY FORM CONTINUATION SHEET

MASSACHUSETTS HISTORICAL COMMISSION
Office of the Secretary, Boston

Community: Framingham	Form No: 3-3
Property Name: Framingham Reservoir #2 Dam and Gatehouse	

Indicate each item on inventory form which is being continued below.

NATIONAL REGISTER CRITERIA:
Historic Places. The boundary of the Framingham Reservoir #2 Gatehouse and Dam which are being nominated is only the gatehouse and dam and does not include any land around these structures. The boundary is shown on the attached map, Framingham Reservoir No. 1, Metropolitan Water Works, Land Plans, January 1913. Scale: 100' = 1'.

ARCHITECTURAL SIGNIFICANCE:

The overfall is granite rubble laid in cement with an earthern embankment on the upstream side. The overfall is covered with granite and originally had iron flashboard standards.

For additional information, please refer to Overview, Section 7: Reservoirs, Dams.

Large passive reservoirs of this type have not been included for nomination due to their large size and lack of readily perceivable man-made features.

Staple to Inventory form at bottom

NPS Form 10-900-a
(8-86)

OMB Approval No. 1024-0018

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section number _____ **Page** _____

Water Supply System of Metropolitan Boston MPS
Middlesex, Norfolk, Suffolk and Worcester Counties, MASSACHUSETTS

		DATE LISTED
	COVER Substantive Review	Beth L. Savage 01-18-90
1.	Ashland Dam and Spillway	Delores Byrd 1-18-90
2.	Framingham Reservoir No. 3 Dam and Gatehouse Substantive Review	Beth L. Savage 01-18-90
3.	Framingham Reservoir No. 2 Dam and Gatehouse	Delores Byrd 1-18-90
4.	Framingham Reservoir No. 1 Dam and Gatehouse	Delores Byrd 1-18-90
5.	Hopkinton Dam and Spillway	Delores Byrd 1-18-90
6.	Lake Cochituate Dam	Delores Byrd 1-18-90
7.	Medford Pipe Bridge	Delores Byrd 1-18-90
8.	Middlesex Fells Reservoirs Historic District Substantive Review	Beth L. Savage 01-18-90
9.	Mystic Dam	Delores Byrd 1-18-90
10.	Mystic Gatehouse Substantive Review	Beth L. Savage 01-18-90
11.	Mystic Pumping Station	Delores Byrd 1-18-90
12.	Sudbury Aqueduct Linear District	Delores Byrd 1-18-90
13.	Sudbury Dam Historic District	Delores Byrd 1-18-90
14.	Weston Aqueduct Linear District	Delores Byrd 1-18-90
15.	Fisher Hill Reservoir and Gatehouse	Delores Byrd 1-18-90
16.	Forbes Hill Standpipe	Delores Byrd 1-18-90
17.	Bellevue Standpipe	Delores Byrd 1-18-90
18.	Chestnut Hill Reservoir Historic District	Delores Byrd 1-18-90
19.	Marlborough Brook Filter Beds Substantive Review	Beth L. Savage 01-18-9

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY NAME: Framingham Reservoir No. 2 Dam and Gatehouse

MULTIPLE NAME: Water Supply System of Metropolitan Boston MPS

STATE & COUNTY: MASSACHUSETTS, Middlesex

DATE RECEIVED: 12/05/89 DATE OF PENDING LIST: 12/19/89
DATE OF 16TH DAY: 1/04/90 DATE OF 45TH DAY: 1/19/90
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 89002290

NOMINATOR: STATE

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 1/18/90 DATE Entered in the National Register

ABSTRACT/SUMMARY COMMENTS:

RECOM./CRITERIA_____
REVIEWER_____
DISCIPLINE_____
DATE_____

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

CLASSIFICATION

___count ___resource type

STATE/FEDERAL AGENCY CERTIFICATION

FUNCTION

___historic ___current

DESCRIPTION

___architectural classification
___materials
___descriptive text

SIGNIFICANCE

Period Areas of Significance--Check and justify below

Specific dates Builder/Architect
Statement of Significance (in one paragraph)

___summary paragraph
___completeness
___clarity
___applicable criteria
___justification of areas checked
___relating significance to the resource
___context
___relationship of integrity to significance
___justification of exception
___other

BIBLIOGRAPHY

GEOGRAPHICAL DATA

___acreage ___verbal boundary description
___UTMs ___boundary justification

ACCOMPANYING DOCUMENTATION/PRESENTATION

___sketch maps ___USGS maps ___photographs ___presentation

OTHER COMMENTS

Questions concerning this nomination may be directed to

_____ Phone _____

Signed _____ Date _____

MDC - TRA, MASS

Framingham Reservoir Dam Gatehouse #2, Framingham, Ma.

June Carolan / Martha Bowers 1984

Louis Berger + Ass.

Water Supply System of Metropolitan Boston MDC, Ma

Please refer to the map in the Multiple Property Cover Sheet for this property

Multiple Property Cover Sheet Reference Number: 64500254