2207

MDC - DWM, MASS.

DEC 05 1989

FORM F - STRUCTURE

AREA	FORM NO.
	4-3

MASSACHUSETTS HISTORICAL COMMISSION
80 BOYLSTON STREET
BOSTON, MA 02116

Town Ashland

Address Ashland State Park

Name Ashland Dam and Spillway

Ownership: MDC/DEM 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	XX	street	
fort		tower	
gate		tunnel	
kiln		wall	
lighthouse		windmill	

other spillway

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 map

DESCRIPTION

Date 1885

Source Annual Report

Architect Engineer/Designer (if known):
n/a

Construction material stone, concrete, earth

Alterations (with dates)

loss of gatehouse 1976

Condition good

Moved no Date

Acreage approximately 14 acres

Setting rural, in state park

A 19296560/4679900
B 19297270/4679890
C 19297280/4679670
D 19297060/4679720

UTM REFERENCE

USGS QUANDRANGLE Holliston

SCALE 1:25,000

Recorded by Jane Carolan

Organization Louis Berger& Ass., Inc.

Date 1984; revised 1989 (C.Jenkins)

NATIONAL REGISTER CRITERIA STATEMENT (if applicable)

The Ashland Reservoir Dam and Spillway are significant for their associations with the Sudbury River water supply, the second source tapped by the Metropolitan Water Board. The dam and spillway are good examples of water technology and design of the late 19th century. The spillway in particularly outstanding. Constructed of large granite blocks and stones, it is sculptural in effect and almost appears to be a stream running through the woods. The dam and spillway possess integrity of location, design, setting, materials, workmanship, and associations, and meet criteria A and C of the NRHP.

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

The Ashland Reservoir Dam and Spillway is located in the Ashland State Park in the southern end of Ashland; it is southwest of the three Framingham Reservoirs (3-2, 3, 4) with which it is functionally and historically associated. The dam is an earthen embankment, 54' above the flooded meadow of the reservoir and 83' above bedrock. It has a concrete core wall about 8' thick at the bottom and 2 and 1/2' thick at the top. The waterside of the dam is covered with concrete paving and riprap; the downstream side with 1' of loam. The spillway is 630' long and is constructed of granite rubble masonry with a series of heavily paved steps of granite laid on concrete. The sidewalls are constructed of granite. The spillway is used to channel overflow water down to Cold Spring Brook. The spillway has an unusual and handsome sculptural look that while manmade, has almost a natural look reminiscent of a brook through the woods. The only other comparable example in the system is the related Hopkinton spillway (4-4).

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

The Ashland Reservoir Dam and Spillway was built in 1885 as part of the Sudbury River supply and storage system begun in the 1870s with the three Framingham Reservoirs (3-2, 3, 4) and the Sudbury Aqueduct (Area B). The Ashland, Sudbury (see Area F), and Hopkinton (4-4) Reservoirs and dams were constructed in the 1880s and 1890s as dams #4, 5, and 6 respectively to augment that system. The Ashland Dam was built across the valley of Cold Spring Brook. The gatechamber had two 48" pipes which could drqw water from different levels. In 1927, pipe was laid from here to the Sudbury Reservoir in anticipation of a water emergency, but was never activated. The gatehouse was demolished in 1976 due to vandalism. The reservoir was turned over to the Commonwealth (Department of Environmental Management at present) for use as a state park.

BOUNDARY DESCRIPTION AND JUSTIFICATION

The boundary of the dam and spillway is confined to the structures themselves and does not include any of the surrounding land. Large passive reservoirs such as the one formed by this dam have not been included for nomination due to their large size and lack of readily perceivable man-made features. The boundary is shown in red on the attached map, Ashland Reservoir Land Plans, Metropolitan District Commission, Water Division, January 1927. Scale: 1" = 100'

BIBLIOGRAPHY and/or REFERENCES

Boston Water Board Annual Report. 10 January 1886, pp. 17-18.
Internal Report. Desmond Fitzgernld to F. STearns on Sudbury River Works. 15 January 1989. pp. 17-19.
Annual Report. Metropolitan Water Board. 1893.

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	Beth L. Savage 01-18-90
9.	Mystic Dam — Substantive Review	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: Ashland Dam and Spillway

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: 89002289

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 _____

Ashland Reservoir Spillway, Ashland, MA.
Jane Carolan / Martha Bowers 1984
Louis Berger & Ass.

Ashland Dam + Spillway
Water Supply System of Metropolitan Boston MDC
MA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

HOLLISTON QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)

6568 I SE (MARLBOROUGH)
6768 IV SW (FRAMINGHAM)
6768 IV SE (NATICK)
6668 II NE (MILFORD)
6768 III NE (MEDFIELD)
6768 III SW (FRANKLIN)
6668 II SE (BLACKSTONE)
6768 III SE (WRENTHAM)

FRAMINGHAM (MASS. 126) 3.7 MI.
FRAMINGHAM 2 MI.
HOPKINTON 1.2 MI.
SHERBORN 0.2 MI.
MILFORD 1.5 MI.
9 MI. TO INTERSTATE 90
0.5 MI. TO INTERCHANGE 20
0.8 MI. TO INTERCHANGE 18
12 MI. TO INTERSTATE 95
1.3 MI. TO INTERSTATE 495
MEDFIELD 4 MI.

ASHLAND DAM
ASHLAND STATE PARK
Ashland Reservoir
Magunco Hill
Zachary Hill
Quarry
East Hopkinton Cem
Broad Hill
YMCA Camp
Bloods Pond
Gravel Pit
Bald Hill
Fruit St Sch
Long Hill
Tank
Indian Cem
Gooch Corners
Houghton Pond
Wilder Sch
Factory Pond
Miller Sch
Linden Pond
Jr High Sch
Mt Hollis
High Sch
Center Cem
Cutler Sch
Holliston (BM 188)
Miller Hill
Pleasure Point
Lake Winthrop
Lake Grove Cem
Stoddard Park
Strawberry Hill
Nob Hill
Gravel Pit
Metcalf
Water Tank
Lincoln Cem
Weston Pond
Bragg Cem
Cranberry Bogs
Breezy Meadow Camp
Braggville
Cem
Braggville Station
Cranberry Bog
St Marys Cem
Whitneys
Bare Hill
West Cem
Paul Hill
Golf Course
Nason Hill
Leland Millpond
East Holliston
Gravel Pit
Rocky Hill
Sacred Heart Cem
INTERCHANGE 19
Substation
Substation
Caryville
Playground
North Sch
Water Tank
North Sch
Milk Pond
Kirby Swamp
Park Pond
Evergreen Cem
High Sch
West Medway
Anderson Sch
Medway
St Josephs Cem
Oakland Cem
BM 166
Pond
Populatic Pond
Black Swamp
Great Meadow
Hopping Brook
Connelly Hill
Cedar Swamp
Beaver Brook
Stump Brook
Chicken Brook
Baggastow Brook
Doppy Brook
Houghton Brook
Whitney Brook
Indian Head River
Charles River
Hopkinton
Holliston
Sherborn
Millis
Ashland
Medway
Milford
Bellingham
Franklin
Norfolk Co
Middlesex Co
Worcester Co
Pipeline
Conrail
Railroad
Causeway

CONVERSION SCALES

Feet	Meters
15000	4500
14000	4000
13000	4000
12000	3500
11000	3000
10000	3000
9000	2500
8000	2000
7000	2000
6000	1500
5000	1500
4000	1000
3000	1000
2000	500
1000	300
0	0

Feet	Meters
1	.3048
2	.6096
3	.9144
4	1.2192
5	1.5240
6	1.8288
7	2.1336
8	2.4384
9	2.7432
10	3.0480

To convert feet to meters multiply by .3048
To convert meters to feet multiply by 3.2808

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and Massachusetts Geodetic Survey

Topography by planetable surveys 1938–1939. Revised from aerial photographs taken 1967. Field checked 1969

Polyconic projection. 1927 North American datum
10,000-foot grid based on Massachusetts coordinate system, mainland zone
1000-meter Universal Transverse Mercator grid, zone 19,

There may be private inholdings within the boundaries of the National or State reservations shown on this map

Revisions shown in purple compiled in cooperation with State of Massachusetts agencies from aerial photographs taken 1977 and other source data. This information not field checked. Map edited 1979

SCALE 1:25 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

MN GN
15° 267 MILS
1°38' 29 MILS
UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MASS.
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway, all weather, hard surface
Secondary highway, all weather, hard surface
Light-duty road, all weather, improved surface
Unimproved road, fair or dry weather
Interstate Route
State Route

HOLLISTON, MASS.
N4207.5—W7122.5/7.5

1969
PHOTOREVISED 1979
AMS 6768 III NW—SERIES V814

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1979

Main Street

Delia Tierney

John Connors
Honoria Tierney
Eliza Howe

Charles Schinda

4.93 A. W.D.

Michael Connors

H. M. & W. M. Mac Near

Homer Loring

NEW CHANNEL OF COLD SPRING BROOK

Heirs of H.B. and J.M. Eames

Jennie A. Handy
15.87 A. W.D

Helen M. Eames

Helen M. Eames
10958 A.

Metropolitan Avenue

John Kennedy, E.M. Sullivan, Mark Feeny, Thomas Gay

Metropolitan Avenue

Main Street

GUARANTEED ALL PAGE

Chestnut Street

Jennie A. Handy
10.93 A.

Henry E. Warren
and
Homer Loring

Theodosia W. Smith
2.72 A. W.D.

Henry B. and John M Eames

0.90 A W.D

0.002 A W.D.

Helen M. Eames

ASHLAND

RESERVOIR

MDC - TRA, MASS.
ASHLAND RESERVOIR DAM & SPILLWAY
#4-3

COMMONWEALTH OF MASSACHUSETTS
METROPOLITAN DISTRICT COMMISSION
WATER DIVISION

ASHLAND RESERVOIR
LAND PLANS

SCALE 1" = 100' JANUARY 1927

MDC - TRA, MASS.

C691

Sheet No. 1

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

Multiple Property Cover Sheet Reference Number: 64500254