

FORM F - STRUCTURE

DEC 05 1989

MDC - TRAV. MASS.

MASSACHUSETTS HISTORICAL COMMISSION
80 BOYLSTON STREET
BOSTON, MA 02116

AREA	FORM NO.
	4-3

Town Ashland

Address Ashland State Park

Name Ashland Dam and Spillway

Ownership: MDC/DEM Public
Private

Type of Structure (check one):

bridge	_____	pound	_____
canal	_____	powder house	_____
dam	<u>XX</u>	street	_____
fort	_____	tower	_____
gate	_____	tunnel	_____
kiln	_____	wall	_____
lighthouse	_____	windmill	_____
other	<u>spillway</u>		

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

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

Recorded by Jane Carolan

Organization Louis Berger & Ass., Inc.

Date 1984; revised 1989 (C. Jenkins)

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

UTM REFERENCE _____

USGS QUADRANGLE Holliston

SCALE 1:25,000

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 is 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 draw 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 Fitzgerald to F. Stearns on Sudbury River Works. 15 January 1989. pp. 17-19.
- Annual Report. Metropolitan Water Board. 1893.

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

Beth L. Savage 01-18-90
Arlene Byers 1-18-90
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UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY Ashland Dam and Spillway
NAME:

MULTIPLE Water Supply System of Metropolitan Boston MPS
NAME:

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 _____



MDC - TRA, MASS.

Ashland Reservoir Sprl/way, Ashland, MA.

Jane Carolan / Martha Bowers 1984

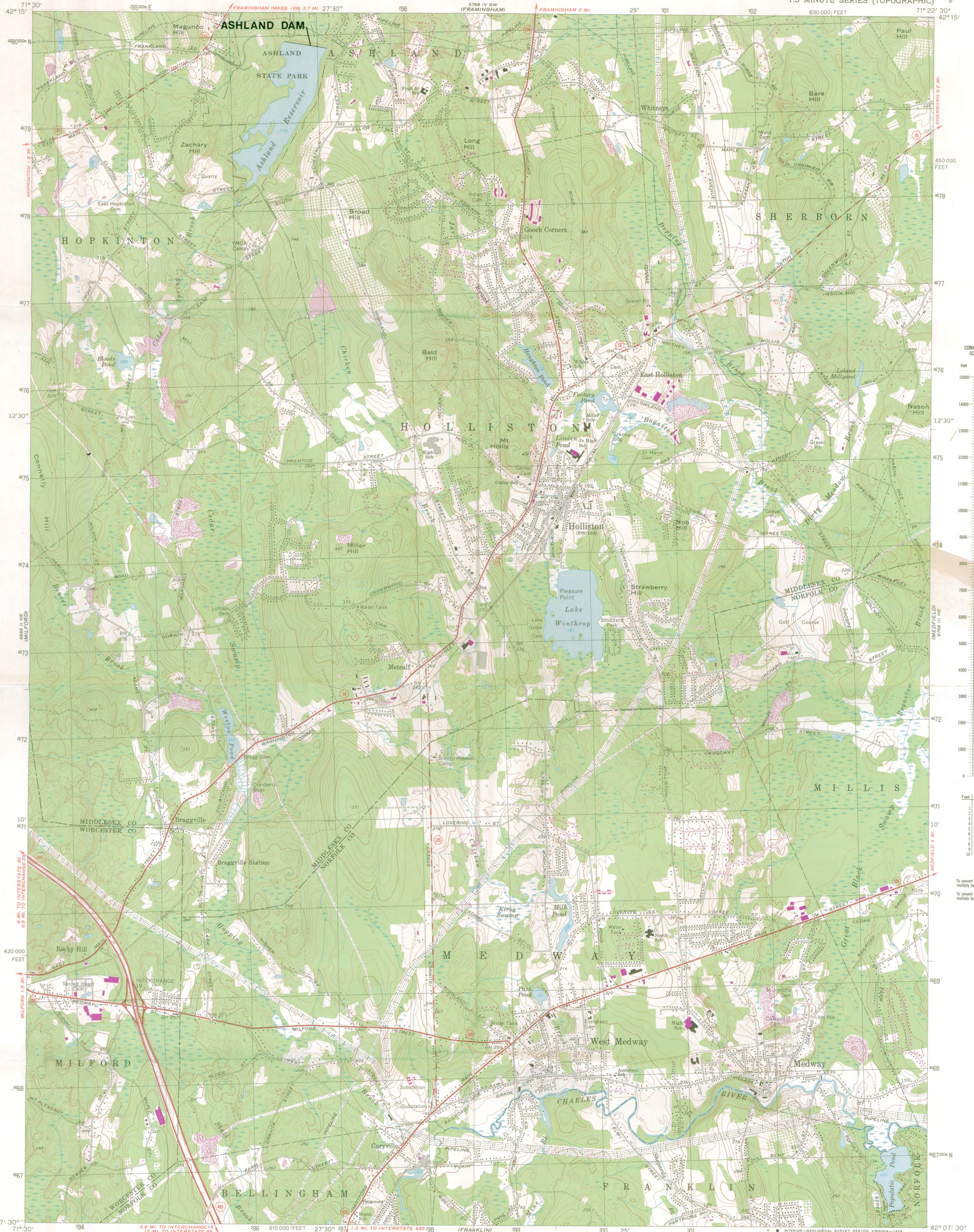
Louis Bergerd Ass.

Ashland Dam + Sprl/way

Water Supply System of Metropolitan Boston MRA

Ma

Handwritten note: *Hand*



CONVERSION SCALES

Feet	Meters
0	0
1000	305
2000	610
3000	914
4000	1219
5000	1524
6000	1829
7000	2134
8000	2438
9000	2743
10000	3048

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

Feet	Meters
1	0.3048
2	0.6096
3	0.9144
4	1.2192
5	1.5240
6	1.8288
7	2.1336
8	2.4384
9	2.7432
10	3.0480

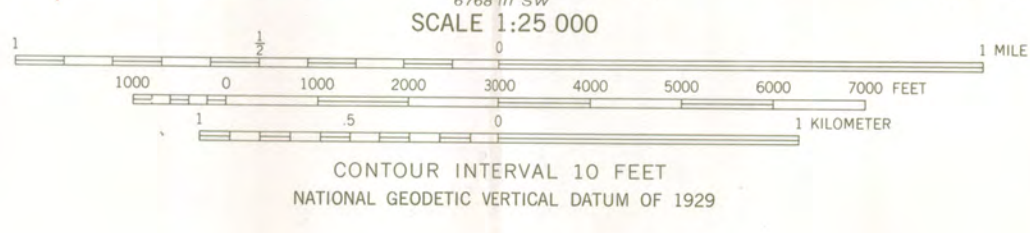
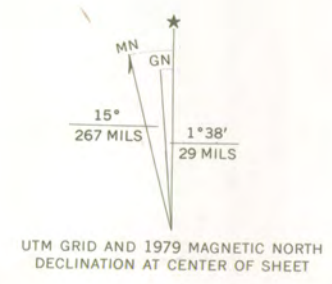
To convert feet to meters multiply by 0.3048
To convert meters to feet multiply by 3.2808

ROAD CLASSIFICATION

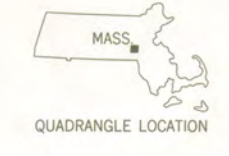
Symbol	Description
Thick solid line	Primary highway, all weather, hard surface
Thin solid line	Secondary highway, all weather, hard surface
Dashed line	Light-duty road, all weather, improved surface
Dotted line	Unimproved road, fair or dry weather
Circle with 'I'	Interstate Route
Circle with 'S'	State Route

HOLLISTON, MASS.
N4207.5-W7122.5/7.5
1969
PHOTOREVISED 1979
AMS 6768 III NW-SERIES V814

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



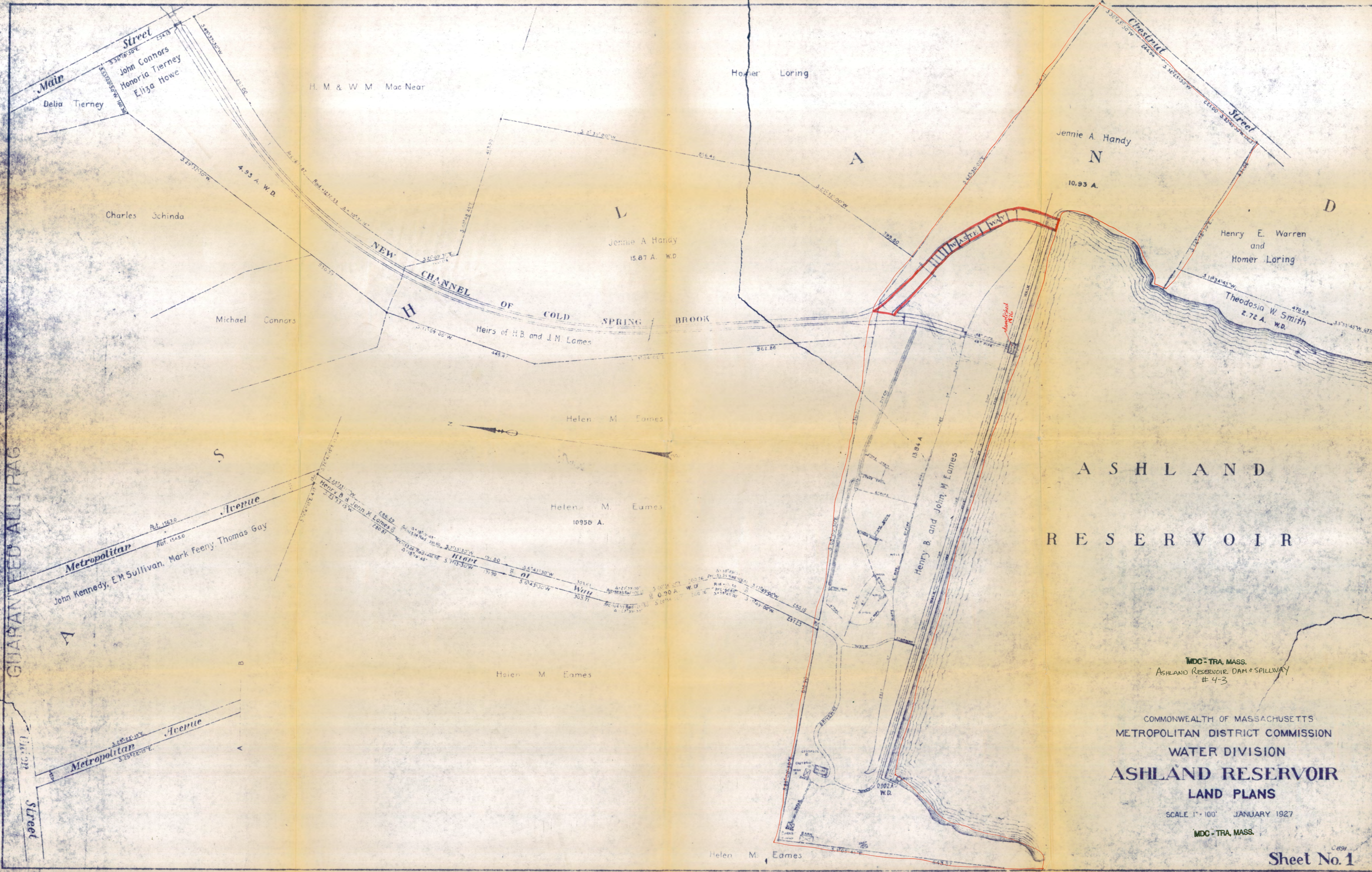
SCALE 1:25 000
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



RECEIVED

JUL -9 1985

MASS. HIST. COMM.



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

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

Multiple Property Cover Sheet Reference Number: 64500254