

# Massachusetts Cultural Resource Information System

## Scanned Record Cover Page

<b>Inventory No:</b>	SBR.922
<b>Historic Name:</b>	Sudbury Dam Gatehouse
<b>Common Name:</b>	Weston Aqueduct Control House
<b>Address:</b>	Rt 30
<b>City/Town:</b>	Southborough
<b>Village/Neighborhood:</b>	Fayville
<b>Local No:</b>	7-3
<b>Year Constructed:</b>	
<b>Architect(s):</b>	Bishop, J. W. Company; Wheelwright and Haven
<b>Architectural Style(s):</b>	
<b>Use(s):</b>	Abandoned or Vacant; Other Engineering; Power House
<b>Significance:</b>	Architecture; Engineering
<b>Area(s):</b>	SBR.F: Sudbury Dam Historic District sbr.i: Water Supply System of Metropolitan Boston
<b>Designation(s):</b>	Nat'l Register District (1/18/1990); Nat'l Register TRA (1/18/1990)
<b>Building Materials(s):</b>	



The Massachusetts Historical Commission (MHC) has converted this paper record to digital format as part of ongoing projects to scan records of the Inventory of Historic Assets of the Commonwealth and National Register of Historic Places nominations for Massachusetts. Efforts are ongoing and not all inventory or National Register records related to this resource may be available in digital format at this time.

The MACRIS database and scanned files are highly dynamic; new information is added daily and both database records and related scanned files may be updated as new information is incorporated into MHC files. Users should note that there may be a considerable lag time between the receipt of new or updated records by MHC and the appearance of related information in MACRIS. Users should also note that not all source materials for the MACRIS database are made available as scanned images. Users may consult the records, files and maps available in MHC's public research area at its offices at the State Archives Building, 220 Morrissey Boulevard, Boston, open M-F, 9-5.

Users of this digital material acknowledge that they have read and understood the MACRIS Information and Disclaimer (<http://mhc-macris.net/macrisdisclaimer.htm>)

Data available via the MACRIS web interface, and associated scanned files are for information purposes only. THE ACT OF CHECKING THIS DATABASE AND ASSOCIATED SCANNED FILES DOES NOT SUBSTITUTE FOR COMPLIANCE WITH APPLICABLE LOCAL, STATE OR FEDERAL LAWS AND REGULATIONS. IF YOU ARE REPRESENTING A DEVELOPER AND/OR A PROPOSED PROJECT THAT WILL REQUIRE A PERMIT, LICENSE OR FUNDING FROM ANY STATE OR FEDERAL AGENCY YOU MUST SUBMIT A PROJECT NOTIFICATION FORM TO MHC FOR MHC'S REVIEW AND COMMENT. You can obtain a copy of a PNF through the MHC web site ([www.sec.state.ma.us/mhc](http://www.sec.state.ma.us/mhc)) under the subject heading "MHC Forms."

Commonwealth of Massachusetts  
Massachusetts Historical Commission  
220 Morrissey Boulevard, Boston, Massachusetts 02125  
[www.sec.state.ma.us/mhc](http://www.sec.state.ma.us/mhc)

This file was accessed on:

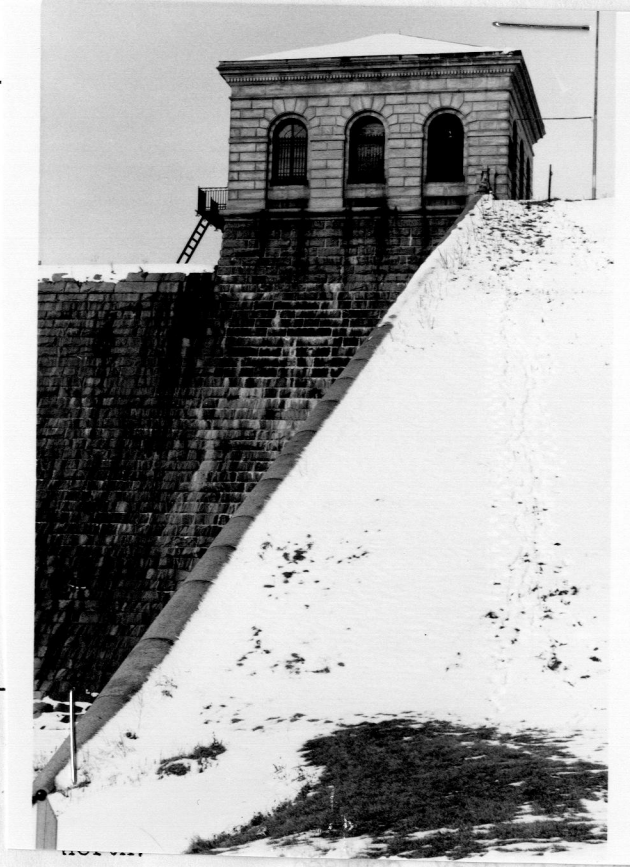
Saturday, July 09, 2016 at 2:11: PM

FORM F - STRUCTURE

NRDPS/TRA 1/18/90

PI-FAY  
USGS-FRAM

In Area no.	Form no.
<u>F, I</u>	<u>922</u>



1. Town Southborough

Address North of U.S. Rte 30, village of Fayville

Name Sudbury Dam Gatehouse

Present use Not in service

Present owner MDC-Boston

3. Type of structure (check one)

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

5. Description

Date 1897

Source Metro. Water Board, 3rd

Annual Report (1898): 65, 66

Construction material Concrete, Granite, Brick

Dimensions \_\_\_\_\_

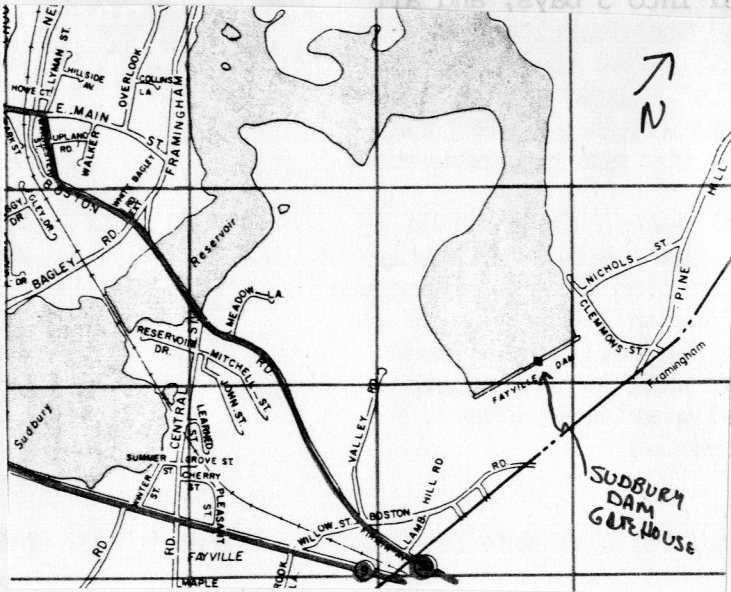
Setting At north end of Sudbury Dam Spillway

Condition Good

6. Recorded by M.H. Bowers

Organization Louis Berger & Associates

Date February 1984



DO NOT WRITE IN THIS SPACE  
USGS Quadrant \_\_\_\_\_  
MHC Photo no. \_\_\_\_\_



7. Original owner (if known) Metropolitan Water Board

Original use Control flow of water thru Sudbury Dam into Weston Aqueduct and waste channel

Subsequent uses (if any) and dates Weston Aqueduct Control House, 1907-c.1940?; Hydropower Facility, 1916-c. 1970

## 8. Historical significance

This structure, located at the north end of the Sudbury Dam spillway, contains the mechanism for opening and closing the gates that allow water to flow through the dam into the waste channel leading to Framingham Reservoir No. 3. After 1907 it also served as the control house for the Weston Aqueduct, put in service four years previously. In 1915-16, the gatehouse was remodeled for hydroelectric power generation. This work included the construction of surge tanks and installation of three generators (plus two exciters) from Westinghouse, three vertical S. Morgan Smith turbines, and two step-up transformers. Transmission of power began in 1916, and continued until the early 1970's when all generating equipment was removed.

The superstructure of the gatehouse was designed by the Boston firm of Wheelwright & Haven. Contractor for the original construction was J.W. Bishop & Co., of Worcester. The building is square in plan, with tiled hipped roof and walls of gray, coursed ashlar granite. Each elevation is divided into 3 bays, and all openings are round-arched with keystones. The dentil cornice is also of granite, as are the half-round sills. At the northeast corner is a granite dolphin-like "gargoyle" shaped rather like a large inverted console bracket. A large metal plaque with the state emblem commemorates construction of the dam and gatehouse.

The open interior contains three original geared floorstands by which to operate the gates. A portion of the floor is slightly elevated on tile, and marks the former location of the hydropower generators. A manual chain hoist hangs from an I-beam, which is run on I-beams set along the side walls. The ceiling is faced with narrow beaded board. On the upstream wall is a truncated stone chimney, supported on heavy, curved granite brackets. A double-walled communication booth also remains.

## 9. Bibliography and/or references such as local histories, deeds, assessor's records, early maps, etc.

Metropolitan Water Board, 3rd Annual Report (1898):65,66.

Metropolitan Water & Sewerage Board, 15th Annual Report (1915): 54, 55, 56ff.

MDC Drawing Files, Case 19, Drawers 29, 101.

MWB Contract with J.W. Bishop & Co., 9 April 1897.

