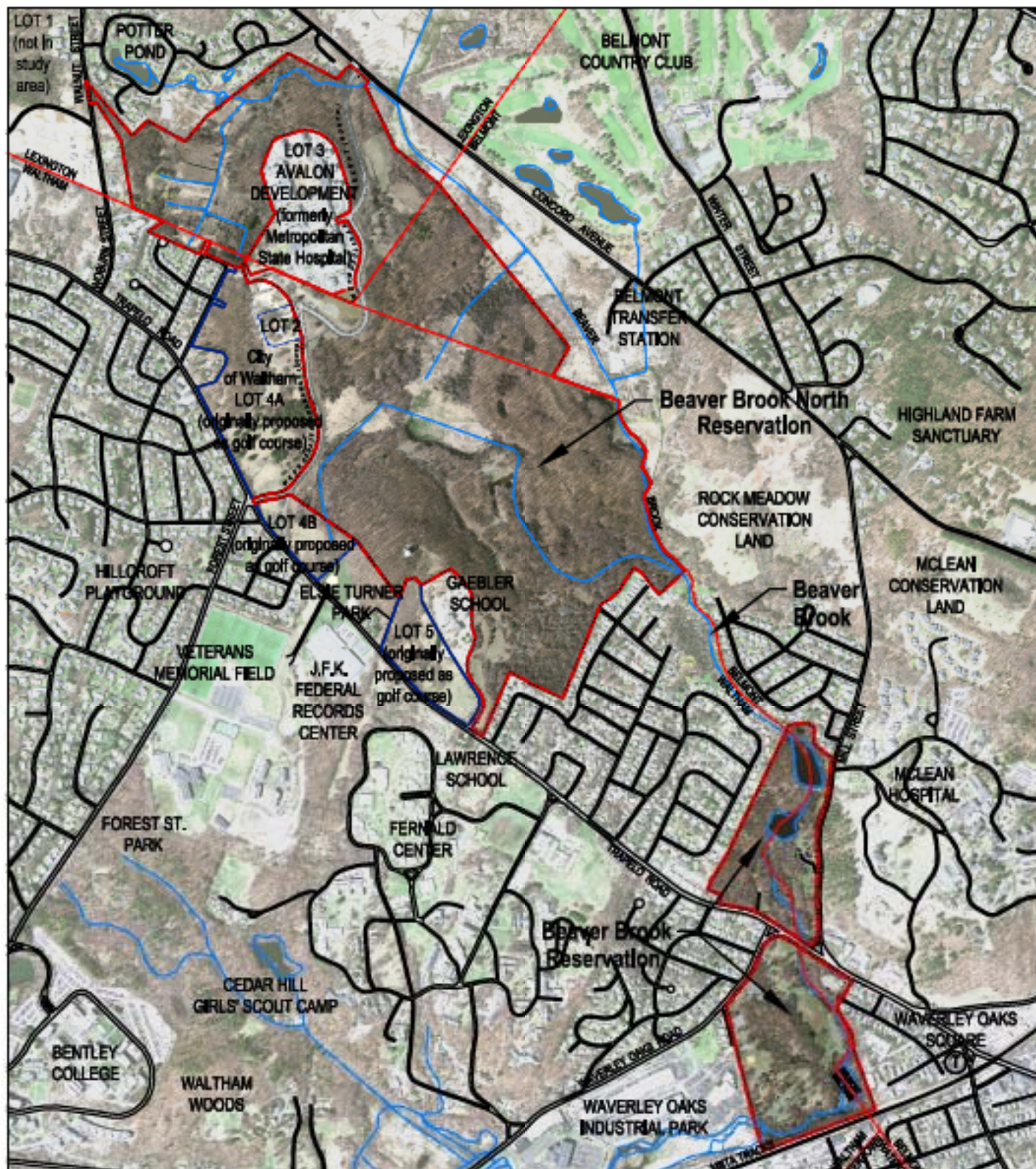


Beaver Brook Reservation RMP Maps

	Page
A. 2008 Orthophotography	2
B. USGS Topographic Quadrangle	3
C. Habitat Inventory – Beaver Brook Reservation	4
D. Habitat Inventory – Beaver Brook North Reservation	5
E. Cultural Resources – Beaver Brook Reservation	6
F. Cultural Resources – Beaver Brook North Reservation	7
G. Existing Conditions – Beaver Brook Reservation	8
H. Existing Conditions – Beaver Brook North Reservation	9
I. Regional Open Space	10
J. Land Stewardship Zoning – Beaver Brook Reservation	11
K. Land Stewardship Zoning – Beaver Brook North Reservation	12
L. Recommended Improvements – Beaver Brook Reservation	13
M. Recommended Improvements – Beaver Brook North Reservation	14



SOURCES:

2008 orthophoto and topographic and road information from the Massachusetts Geographic Information System.

Property information and existing site features from a plan titled "Topographic Plan of Land Metropolitan State Hospital" prepared by Alpha Land Surveying and Engineering Associates, dated May 1999.

Additional property line and right of way information from plan titled "Metropolitan Parkway, Metropolitan State Hospital, Waltham, Belmont and Lexington, Massachusetts" prepared by Judith Mack Engineering, dated July 23, 2004.

Open space information from MASSGIS, Town of Belmont, Town of Lexington, and City of Waltham.

LEGEND

- DCR PROPERTY LINE (RMP PROJECT AREA)
- CITY OF WALTHAM / DCR CONSERVATION RESTRICTIONS
- RIGHT OF WAY LINE
- STREAM OR WATERBODY
- TOWN LINE

Expanded Beaver Brook Reservation

Belmont, Lexington, and Waltham, Massachusetts

2008 ORTHOPHOTOGRAPHY



Prepared For:

dcr



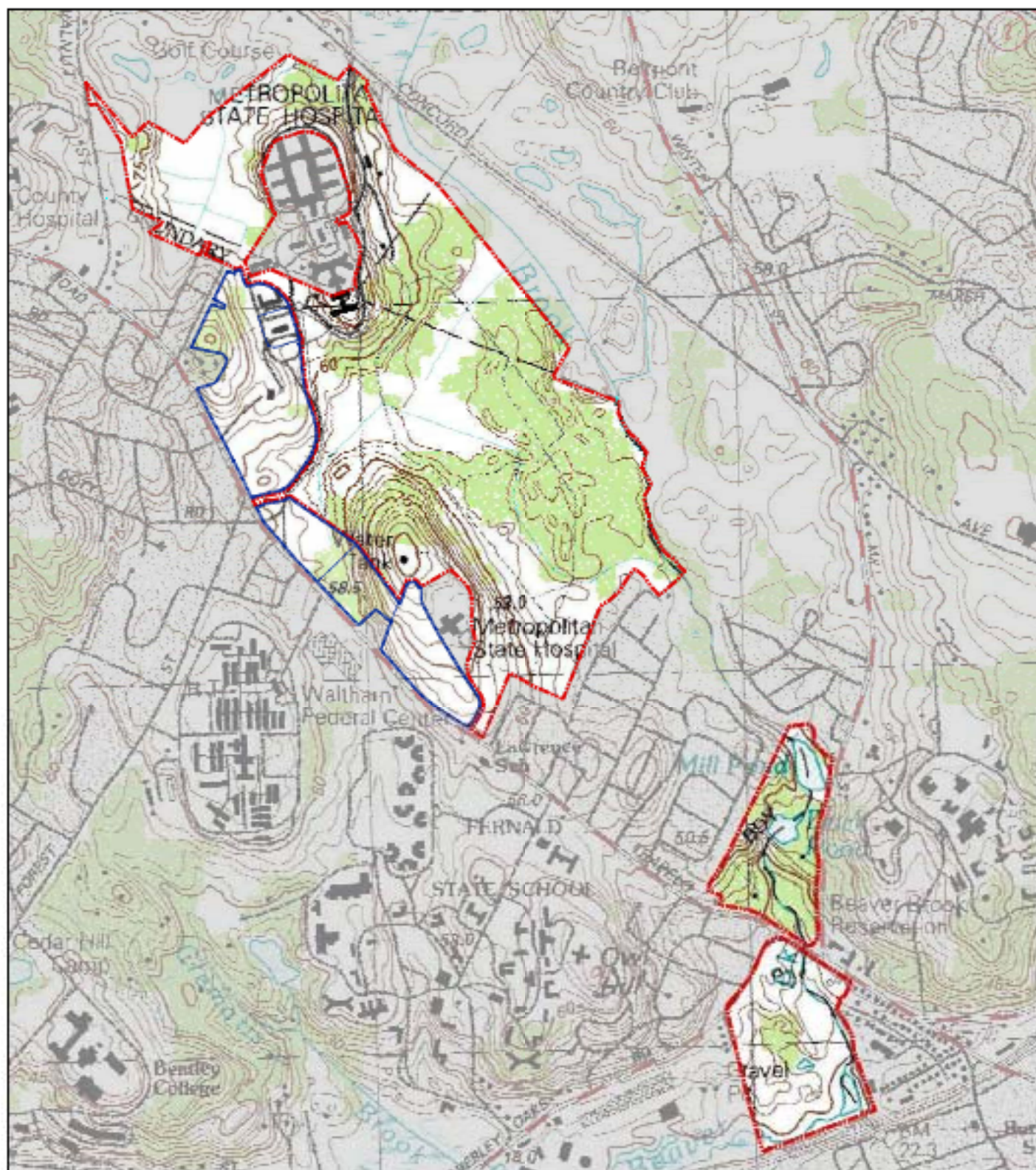
Massachusetts Department of
Conservation and Recreation

Prepared By:

Pressley
Association, Inc.
Landscape Architect

LEC

LANDSCAPE CONSULTANTS, INC.



SOURCES:
Property line information from a plan titled "Topographic Plan of Land Metropolitan State Hospital" prepared by Alpha Land Surveying and Engineering Associates, dated May 1994.

Additional property line and right of way information from a plan titled "Metropolitan Parkway, Metropolitan State Hospital, Waltham, Belmont and Lexington, Massachusetts" prepared by Judith Mack Engineering, dated A/E 2/1, 2004.

LEGEND:

——— DCR PROPERTY LINE

——— PROPOSED GOLF COURSE PROPERTY LINE

——— RIGHT OF WAY LINE

Expanded Beaver Brook Reservation

Belmont, Lexington, and Waltham, Massachusetts

USGS TOPOGRAPHIC QUADRANGLES



Prepared For:

dcr

Massachusetts Department of
Conservation and Recreation

Prepared By:

Pressley
Associates, Inc.
Landscape Architects

LEC

LANDSCAPE CONSULTANTS, INC.



SOURCES

Habitat Inventory conducted by LEC Environmental Consultants, Inc. in 2005.

Orthophoto and topographic and road information from the Massachusetts Geographic Information System, 2003.

LEGEND

- — — — — PROPERTY LINE
- — — — — SHIELTER TOPOGRAPHIC LINE
- — — — — STREAM OR WATERBODY
- — — — — TOWNLINE
- — — — — PAVED MULTIPURPOSE TRAIL
- — — — — SECONDARY TRAIL

- — — — — BRIDGE
- — — — — POTENTIAL VISUAL POOL
- — — — — OPEN WATER
- — — — — LANDSCAPED / DEVELOPED LAND

HABITAT TYPE

- — — — — FORESTED UPLAND
- — — — — FORESTED WETLAND
- — — — — SUCCESSION SHRUB HABITAT

Expanded Beaver Brook Reservation

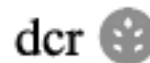
Belmont, Lexington, and Waltham, Massachusetts

HABITAT INVENTORY - Beaver Brook Reservation



SCALE IN FEET
JUNE 2009

Prepared For:



Massachusetts Department of
Conservation and Recreation

Prepared By:



LEC

www.levinc.com

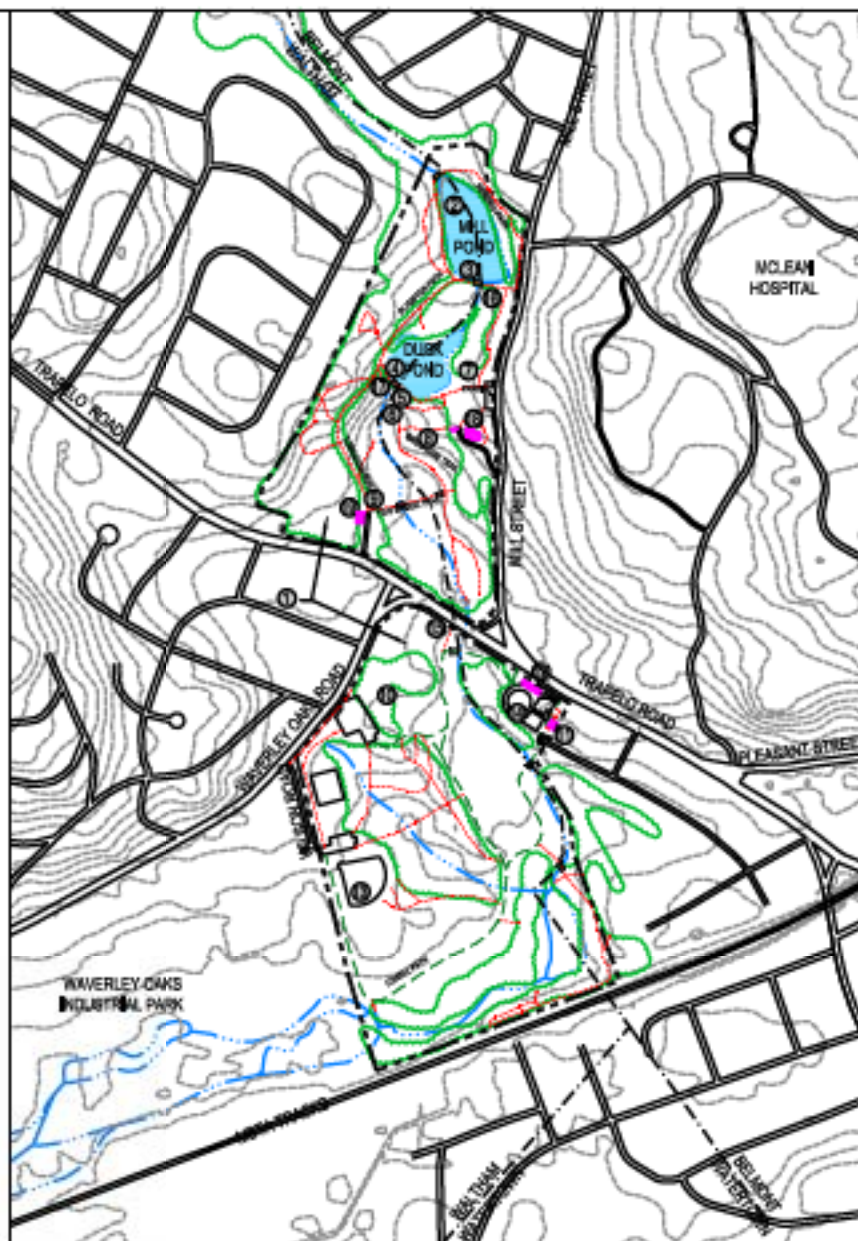
RESOURCES

- ① Boundary of the current reservation, 1893
- ② Mill Pond and surrounding area
- ③ Mill Pond Dam, original probably c.1860
- ④ Mill Pond Dam, original probably c.1860
- ⑤ Mill Pond Dam, original probably c.1860
- ⑥ Mill Pond Dam, original probably c.1860
- ⑦ Cascade and overlook, c.1860
- ⑧ Location of ice house and ice run, 1890s
- ⑨ Earthen platform, possible early 20th century garden, remains extant
- ⑩ Mill Pond (approximate location) not extant date unknown
- ⑪ Approximate location of the Waverley Oaks, collected in late 19th century, c.1875
- ⑫ Sanitary building, 1909
- ⑬ Park station, 1909
- ⑭ Mill Pond, c.1860
- ⑮ Playground, c.1908, improved by MDC
- ⑯ Park building
- ⑰ Dam on upper pond and two stone dams, 18th century
- ⑱ Sashel factory and mill in lower pond, 19th century (c.1848)
- ⑲ Robert Morris Capeland House (Samuel Brook House), 1830s
- ⑳ Steam Dam, c.1862 (extant)

NOTES

THE EXACT LOCATION OF THE PATHS Laid OUT BY DUNSTON AND ELLIOT SHOULD BE VERIFIED.

ONE LARGE OAK TREE NEAR THE SOUTH PARKED PARKING AREA MAY BE THE LAST WAVERLEY OAK.



SOURCES

Orthophoto and topographic and road line information from the Massachusetts Geographic Information System, 2002.

Donald S. Jones, Office of Public Archaeology, Boston University, "Results of an Archaeological Reconnaissance Survey of Beaver Brook Reservation in Belmont and Waltham, Massachusetts," August 1995.

Charles, Charles and John, "Beaver Brook Reservation Topographical Map," September 1894 (DOR Archives).

Aerial Photos, MDC Annual Reports contained in the DOR Archives, Dedham, MA.

LEGEND

- | | | | |
|---------|---|---------|---------------------|
| —+—+—+— | DCR PROPERTY LINE | —+—+—+— | EDGE OF WOODED AREA |
| —+—+—+— | 3-METER TOPOGRAPHIC LINE (MASS. G.L.S.) | —+—+—+— | BRIDGE |
| —+—+—+— | STREAM OR WATERBODY (MASS. G.L.S.) | —+—+—+— | BUILDING |
| —+—+—+— | TOWN LINE (MASS. G.L.S.) | | |
| —+—+—+— | PAVED MULTI-USE TRAIL | | |
| —+—+—+— | SECONDARY TRAIL | | |

Expanded Beaver Brook Reservation

Belmont, Lexington, and Waltham, Massachusetts

CULTURAL RESOURCES - Beaver Brook Reservation



SCALE IN FEET
JUNE 2009

Prepared For:

dcrc

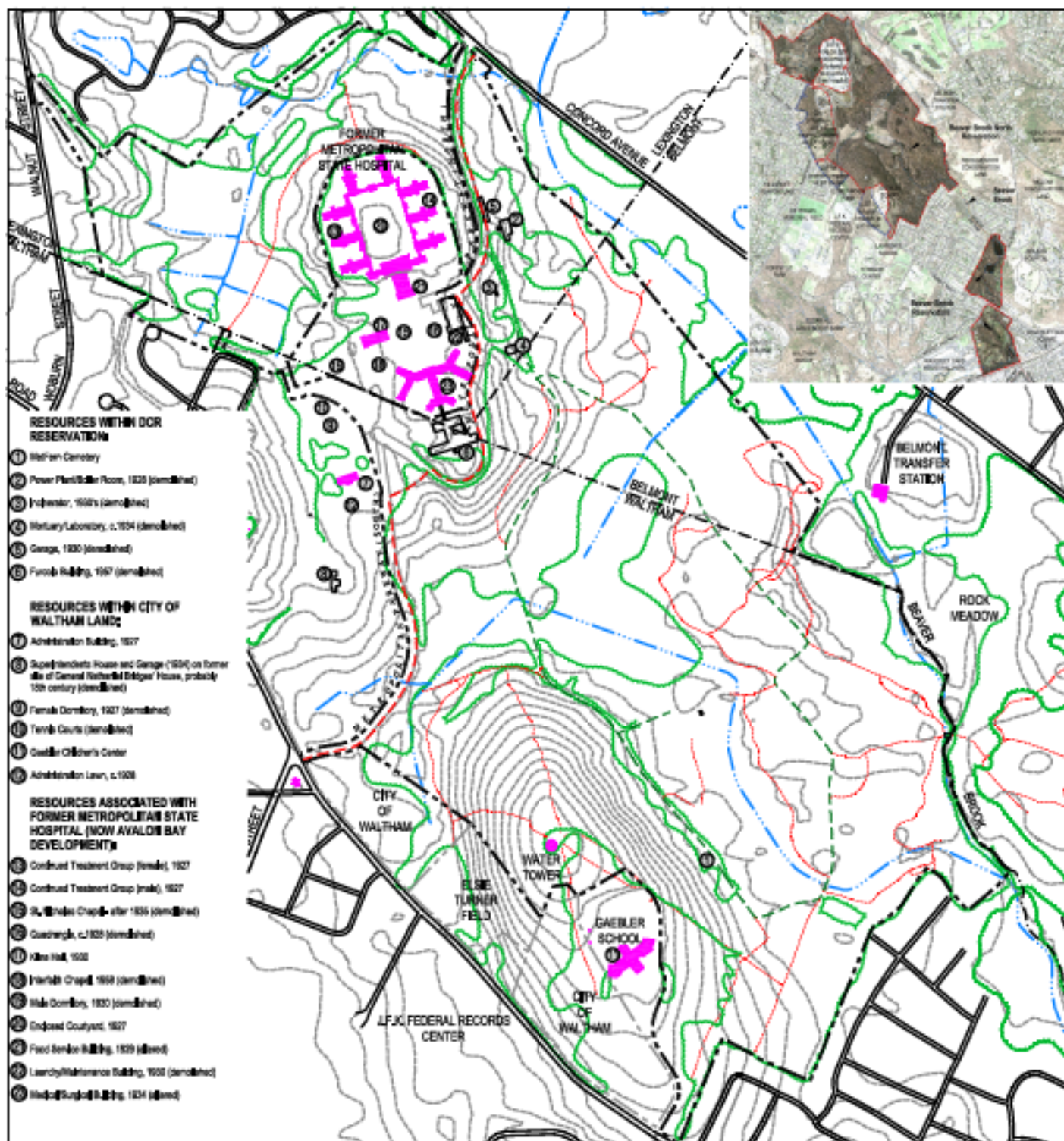
Massachusetts Department of
Conservation and Recreation

Prepared By:

Pressley
Associates, Inc.
Landscape Architects

LEC

1000 CENTRAL AVENUE, SUITE 100, WALTHAM, MA 02451



Expanded Beaver Brook Reservation

Belmont, Lexington, and Waltham, Massachusetts

CULTURAL RESOURCES - Beaver Brook North Reservation



Prepared For:

dc



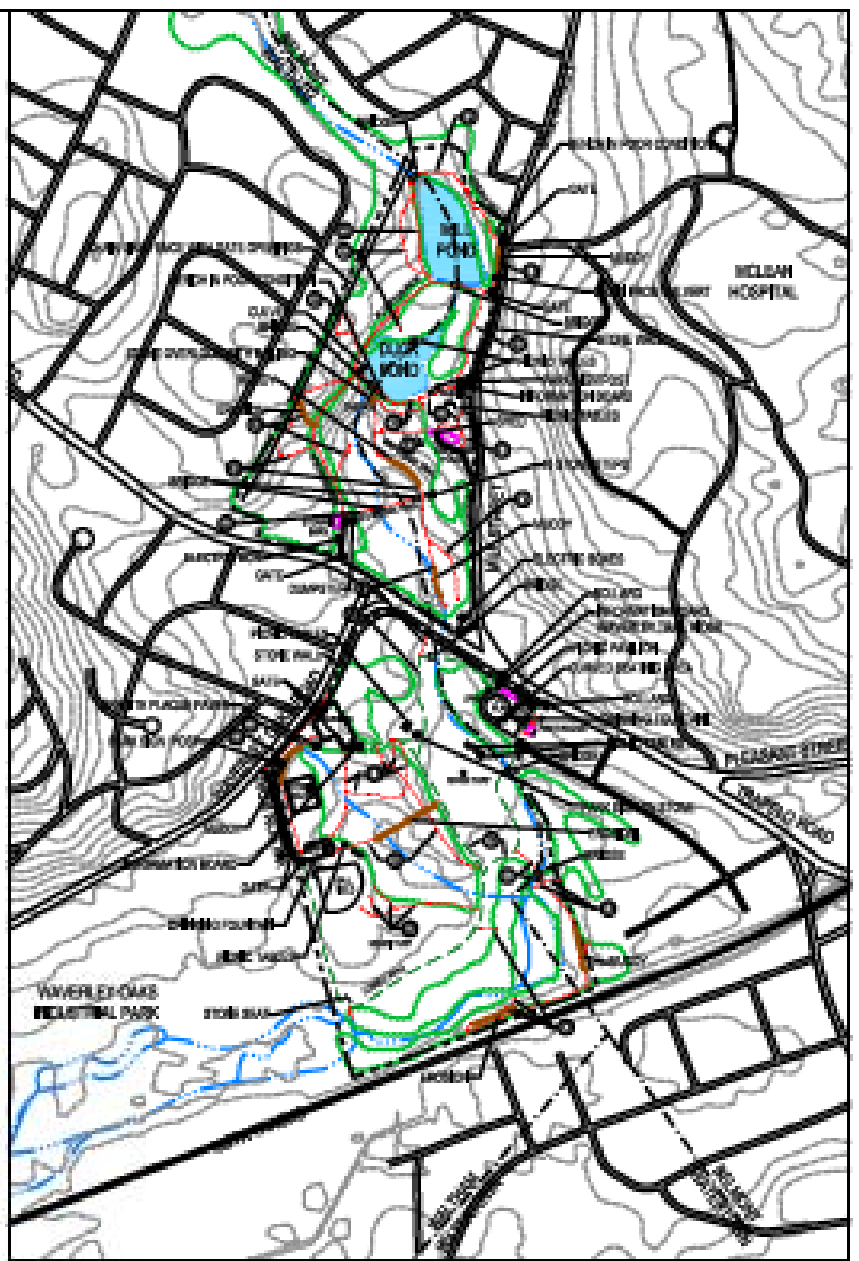
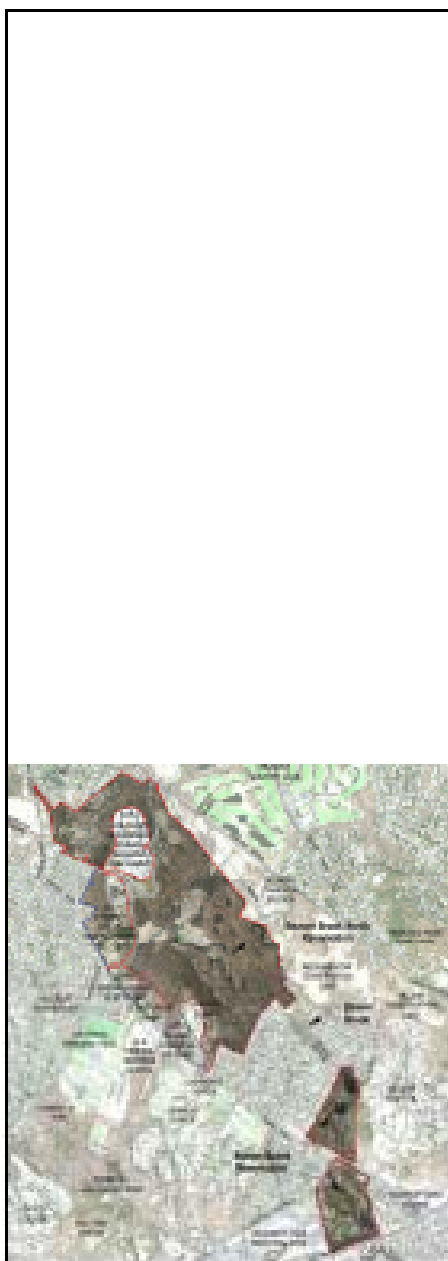
Massachusetts Department of
Conservation and Recreation

Prepared By:

Pressley
Associates, Inc.
Landscape Architects

LEC

LANDSCAPE CONSULTANTS, INC.



SOURCES:
 Aerial photography and maps from the Massachusetts Geographic Information System, 2005.

LEGEND:
 --- DCR PROPERTY LINE
 --- SHOWN TOPOGRAHY LINE
 --- STREAM OR WATERBODY
 --- TOWN LINE
 --- PARK WALL
 --- SECONDARY TRAIL
 --- STONE WALL
 --- TRAIL FORCE
 --- CHAIN LINK FENCE
 --- EDGE OF WOODS AREA
 --- BRIDGE
 --- STRUCTURE

● ACCESS
 ● RETURNING PATH
 ● GRASSLAND
 ● GRASSY AREA
 ● SITE FEATURE
 --- DETERIORATED PATH CONDITION
 A DIRTING ROAD
 --- BRIDGE
 ● FOUNTAIN
 ● CHAIN LINK FENCE

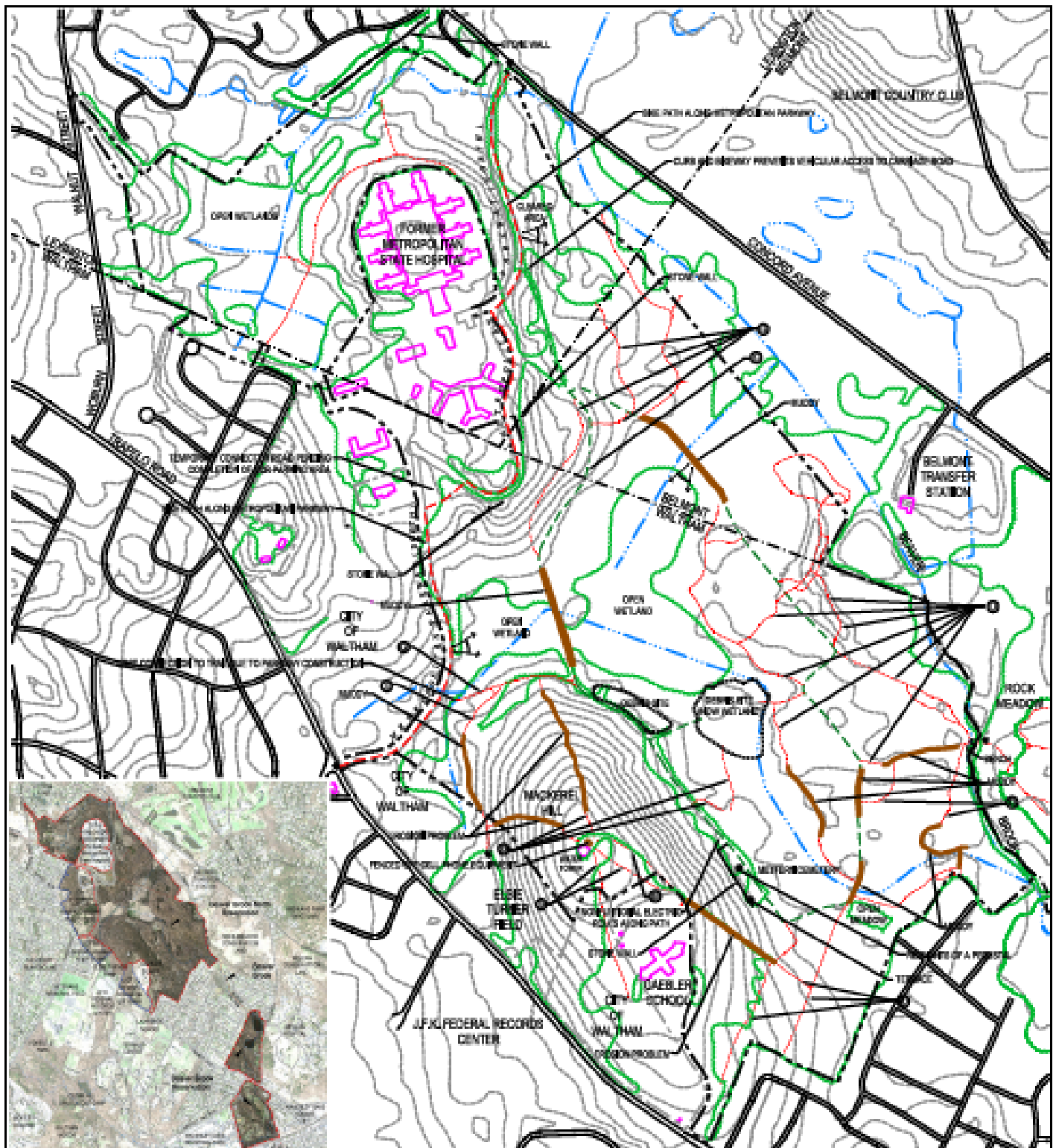
Expanded Beaver Brook Reservation

Belmont, Lexington, and Waltham, Massachusetts
 EXISTING CONDITIONS • Beaver Brook Reservation
 SHOWING ACTIVE RECREATION AREAS, INFRASTRUCTURE & TRAILS



Prepared For:
 dcr
 Massachusetts Department of
 Conservation and Recreation

Prepared By:
 Pressley
 Associates, Inc.
 LEC
 100 Bedford Street, Suite 200
 Belmont, MA 02458



SOURCES:

Site conditions recorded in 2005-2006, updated 2008.

Orthophoto and topographic and road information from the Massachusetts Geographic Information System, 1992.

Property line information and existing site features from a plan titled "Topographic Plan of Land: Metropolitan State Hospital" prepared by Alpha Land Surveying and Engineering Associates, dated May 1988.

Additional property line and right of way information from plan titled "Metropolitan Parkway, Metropolitan State Hospital, Belmont and Lexington, Massachusetts" prepared by John H. H. Engineering, dated July 23, 2004.

LEGEND:

DCR PROPERTY LINE
 RIGHT OF WAY
 OTHER PROPERTY LINE
 SATELITE TOPOGRAPHIC LINE
 STREAM OR WATERBODY
 TOWN LINE

PAVED MAINTENANCE TRAIL
 GARRAGE ROAD
 SECONDARY TRAIL
 EDGE OF WOODED AREA
 BRIDGE
 STRUCTURES

ACCESS
 STUNTING PATH
 GRAVEL PATH
 DIRT PATH
 SITE FEATURE
 DISTURBED PATH CONDITION

EXISTING VIEW
 BRUSH
 STONE WALL

Expanded Beaver Brook Reservation

Belmont, Lexington, and Waltham, Massachusetts
 EXISTING CONDITIONS - Beaver Brook North Reservation
 SHOWING ACTIVE RECREATION AREAS, INFRASTRUCTURE & TRAILS



Prepared For:

dcr

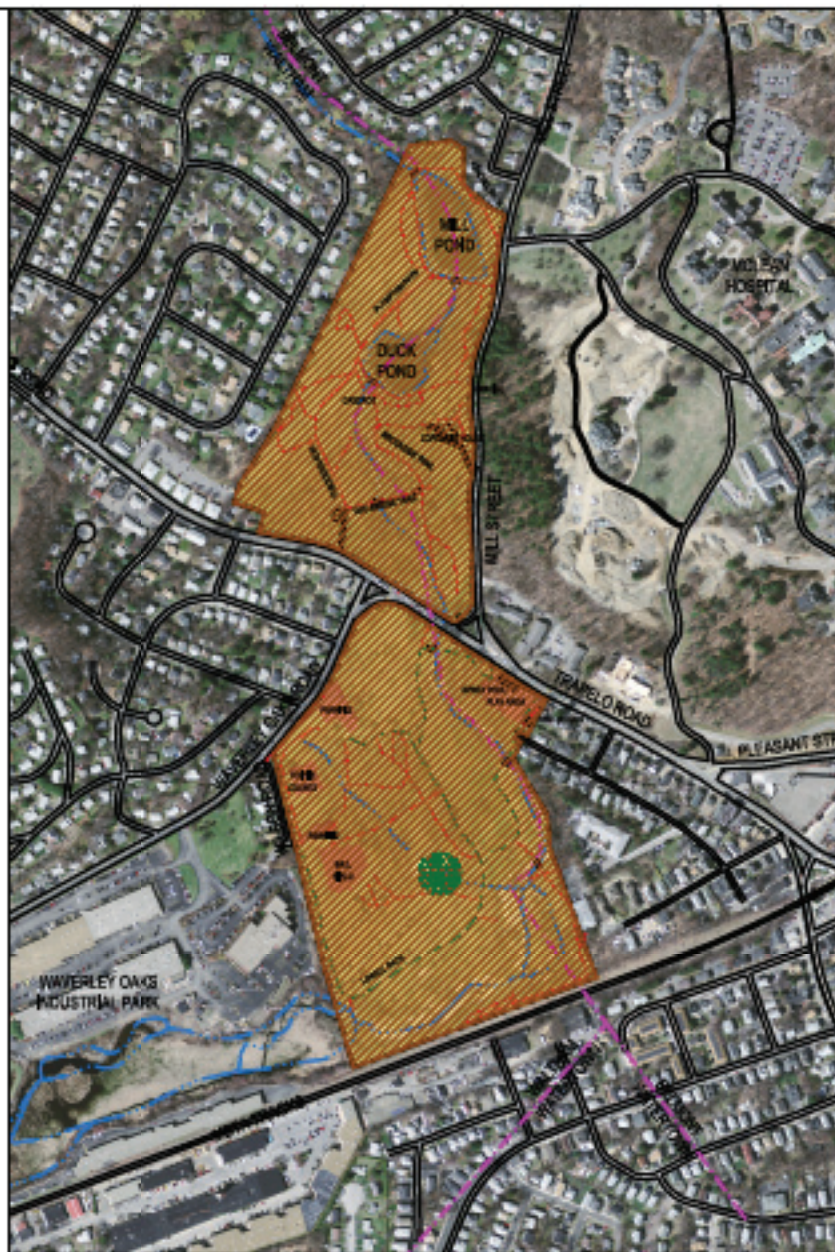
Massachusetts Department of
Conservation and Recreation

Prepared By:

Pressley
Associates, LLC
Landscape Architects

LEC

www.pressley.com



SOURCES:

Historical inventory conducted by LEC Environmental Consultants, Inc. in 2005.
Orthophoto (2008) and topographic (2002) and road line (2002) information from the Massachusetts Geographic Information System.

LEGEND:

- DCR PROPERTY LINE
- STREAM OR WATERBODY
- TOWN LINE
- PAVED MULTIPLE TRAIL
- SECONDARY TRAIL
- POTENTIAL VERMILION POOL

- ZONE 2
- ZONE 3
- NATURAL RESOURCE OVERLAY (potential wetlands that require further evaluation and protection)
- CULTURAL RESOURCE OVERLAY (include resources including historic buildings and their settings, farms, historic ponds, and cultural landscape features)

Expanded Beaver Brook Reservation

Belmont, Lexington, and Waltham, Massachusetts

LAND STEWARDSHIP ZONING - Beaver Brook Reservation



SCALE IN FEET
MAY 2009

Prepared For:

dcr

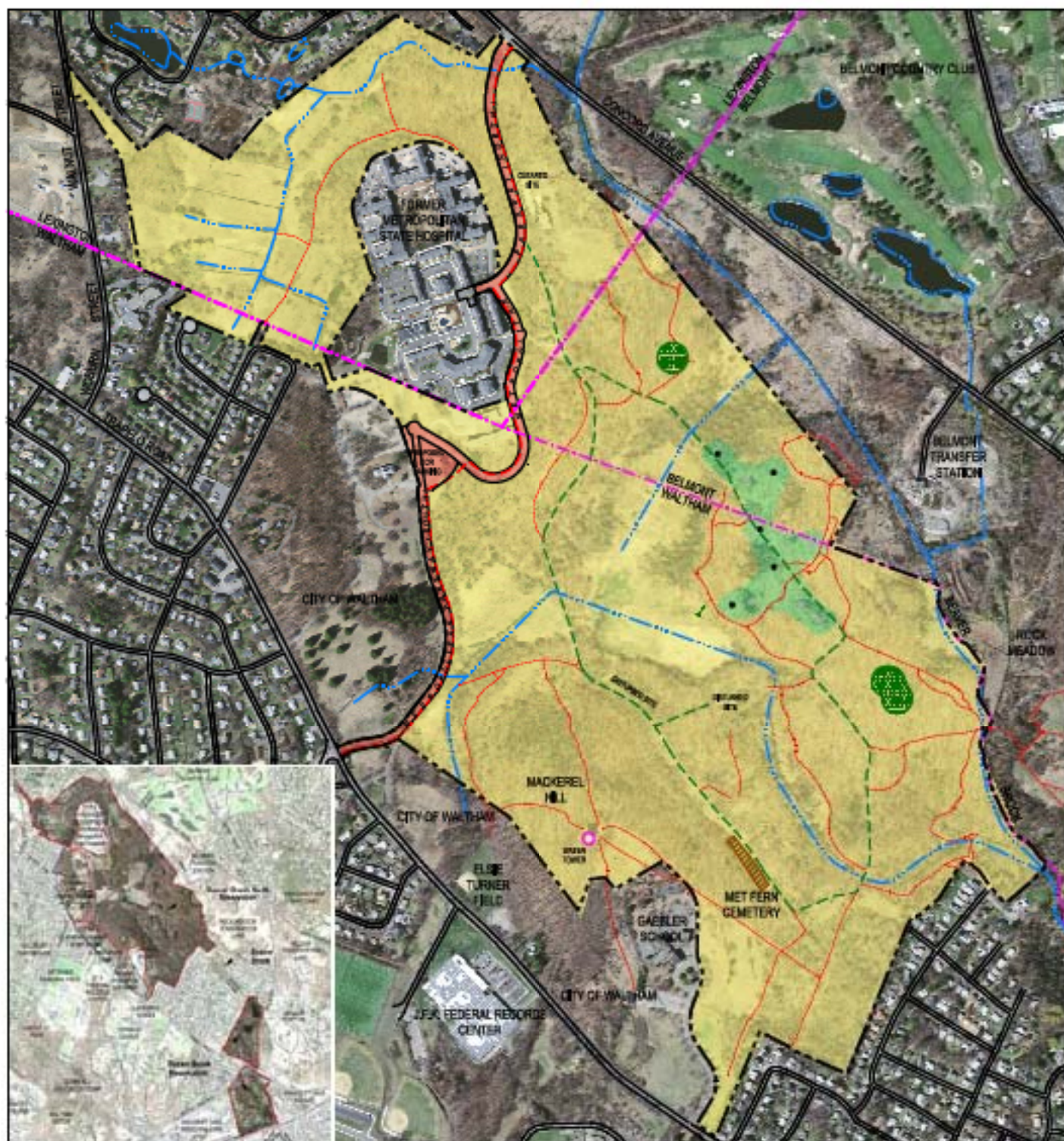
Massachusetts Department of
Conservation and Recreation

Prepared By:

Pressley
Associates, Inc.
Landscape Architects

LEC

ENVIRONMENTAL CONSULTANTS, INC.



SOURCES:

Field inventory conducted by LEC Environmental Consultants, Inc. in 2005.

Orthophoto (2006) and topographic (2002) and road (2002) information from the Massachusetts Geographic Information System.

Property line information and existing site features from a plan filed "Topographic Plan of Land Metropolis State Hospital" prepared by Alpha Land Surveying and Engineering Associates, dated May 1999.

Additional property line and right of way information from plan filed "Metropolitan Parkway, Metropolitan State Hospital, Belmont and Lexington, Massachusetts" prepared by Judith Hinch Engineering, dated July 23, 2004.

LEGEND:

- DCR PROPERTY LINE
- RIGHT OF WAY
- STREAM OR WATERBODY
- TOWNLINE
- PAVED MULTILANE TRAIL
- CARTRIDGE ROAD
- SECONDARY TRAIL

- ZONE 1
- ZONE 2
- ZONE 3
- NATURAL RESOURCE OVERLAY (green) (vernal pools that require further evaluation and protection)
- CULTURAL RESOURCE OVERLAY (orange) (primary)
- CERTIFIED VERNAL POOL
- POTENTIAL VERNAL POOL

Expanded Beaver Brook Reservation

Belmont, Lexington, and Waltham, Massachusetts

LAND STEWARDSHIP ZONING - Beaver Brook North Reservation



SCALE IN FEET
MAY 2005

Prepared For:

dcrc

Massachusetts Department of
Conservation and Recreation

Prepared By:

Pressley
Associates, Inc.
Landscape Architects

LEC

LECMANAGEMENTCONSULTANTS, INC.



SOURCES:
Orthophoto and geographic information from the Massachusetts Geographic Information System, 2002.
Data compiled based on 2004/2005 field inventory.

LEGEND

— DCR PROPERTY LINE	— EXISTING PAVED MILL BASE TRAIL
— OTHER PROPERTY LINE	— EXISTING RUSTIC PAVED TRAIL
— STREAM OR WATERBODY	— EXISTING PAVED PROPOSED TRAIL
— TRAIL LINE	— PROPOSED TREATMENT AREA
● POTENTIAL VERNAL POOL	● PROPOSED ACCESS
■ STRUCTURE	— BENCH
● DRINKING FOUNTAIN	■ PICNIC TABLE

GENERAL NOTES

Retain and preserve cultural landscape features site wide, apply the Secretary of the Interior's Standards for the Treatment of Historic Properties to all construction projects.

Throughout the site protect and preserve habitats including emergent marsh, forested wetlands, wetland meadows, and associated associated shrub habitat.

For more detailed information refer to the recommendations in the Resource Management Plan for Expanded Beaver Brook Reservation.

Expanded Beaver Brook Reservation

Belmont, Lexington, and Waltham, Massachusetts

RECOMMENDED IMPROVEMENTS - Beaver Brook Reservation



SCALE IN FEET
0 50 100
JUNE 2009

Prepared For:

dcrc

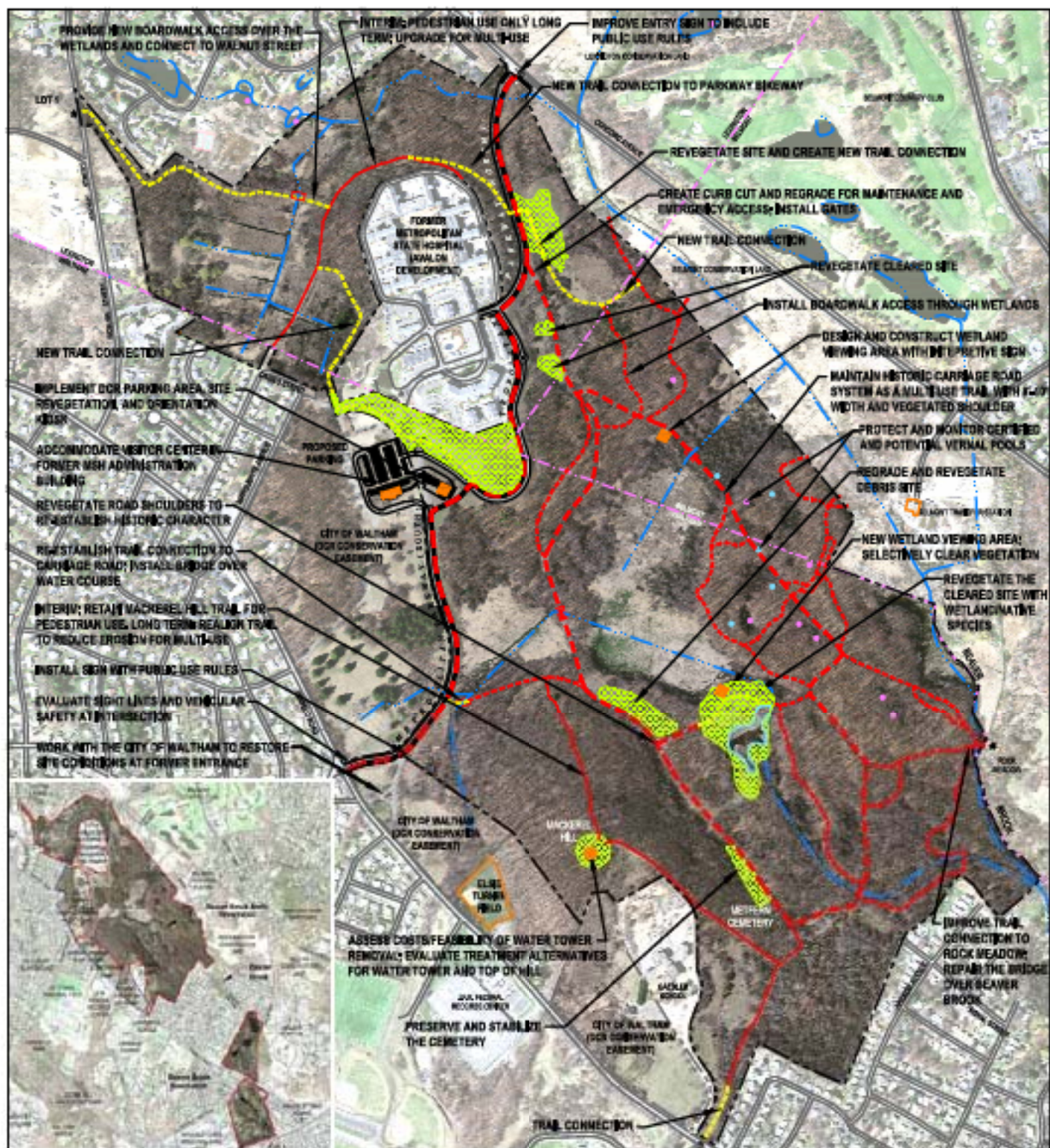
Massachusetts Department of
Conservation and Recreation

Prepared By:

Pressley
Associates, Inc.
Landscape Architect

LEC

LANDSCAPE CONSULTANTS, INC.



SOURCES:

Aerial photography and geographic information from the Massachusetts Geographic Information System, 2002.

Property line information and existing building footprints from a 2004 "Topographic Plan of Land in the State Roadway" prepared by Alpha Land Surveying and Engineering Associates, dated May 2004.

All other property line and light of way information from a 2004 "Metropolitan State Hospital Grounds" prepared by John M. Smith Engineering, dated July 20, 2004.

Trail and site conditions based on 2004/2005 field inventory.

LEGEND:

- DCR PROPERTY LINE
- OTHER PROPERTY LINE
- STREAM OR WATERBODY
- TOWN LINE
- CERTIFIED WETLAND POOL
- POTENTIAL WETLAND POOL
- PROPOSED FEATURE

- EXISTING PAVED MULTI-USE TRAIL
- EXISTING CARTRIDGE ROAD - MULTI-USE TRAIL (EMERGENCY ACCESS)
- EXISTING RAIL - MULTI-USE TRAIL
- EXISTING RAIL - PEDESTRIAN TRAIL
- PROPOSED PAVED MULTI-USE TRAIL
- PROPOSED TREATMENT AREA
- PROPOSED ACCESS

GENERAL NOTES:

- Monitor all paths for habitat encroachment and volunteer path. Close trails in protected habitat areas seasonally if needed for wildlife migration.
- Throughout the site protect and preserve habitats including emergent marsh, forested wetlands, wetland meadows, and associated associated stream habitat.
- Exact location of all wetlands to be determined.
- Remove non-functional utility poles throughout the site.
- For more detailed information refer to the recommendations in the Resource Management Plan for Expanded Beaver Brook Reservation.

Expanded Beaver Brook Reservation

Belmont, Lexington, and Waltham, Massachusetts

RECOMMENDED IMPROVEMENTS - Beaver Brook North Reservation



SCALE IN FEET
0 100 200
JUNE 2009

Prepared For:



Massachusetts Department of Conservation and Recreation

Prepared By:



LEC

LANDSCAPE ARCHITECTS, INC.