

*OLMSTED CENTER
FOR
LANDSCAPE
PRESERVATION*



A partnership between the
National Park Service
and the
Arnold Arboretum of Harvard
University

**1993-94
PROGRESS REPORT**



Cover: *Multi-park tree preservation crew at Morristown National Historical Park. Lead Arborist Steve Hanaburgh, Roosevelt-Vanderbilt NHS with crew from Lowell NHP, Saugus Iron Works NHS, Adams NHS, and Minute Man NHP.*

INTRODUCTION

The Olmsted Center for Landscape Preservation, a partnership between the National Park Service and the Arnold Arboretum of Harvard University, is a center for landscape preservation, training, and technology development.

The Center's historical landscape architects and horticulturists, based at the Frederick Law Olmsted National Historic Site, work with park managers to resolve critical preservation issues. This team of professionals assembles multi-park crews to perform emergency and cyclic maintenance work. Every project trains resident park staff, strengthening each park's capability to preserve cultural landscapes.

The mission of the Olmsted Center is to:

- Address critical cultural landscape maintenance and preservation planning issues;
- Build the professionalism and skill level of park staff; and
- Develop state-of-the-art technology for landscape preservation.

Olmsted Center services include **cyclic maintenance work, emergency stabilization field work, resource protection projects, and maintenance and preservation planning.**

The work of the Olmsted Center is guided by a **Steering Committee** of park superintendents, facility managers, the director of the Arnold Arboretum, and other professionals.

Through the partnership between the National Park Service and the Arnold Arboretum, the Olmsted Center:

- Comprehensively addresses a broad range of landscape resources.
- Provides client-based services which concentrate money and staff at the park level where the need is greatest.
- Professionalizes park staff through the use of multi-park teams, on-the-job training, and workshops.
- Provides expertise not otherwise available to parks and broadens support for historic landscape preservation.

The Olmsted Center works collaboratively with other NPS regions, especially in the areas of emergency field work, training, professional development, and special studies. The Mid-Atlantic Region (MAR) has provided assistance on several technical assistance projects and has co-sponsored landscape maintenance workshops.



Historic Motor Road, Acadia National Park. The Olmsted Center has prepared a number of studies for the Motor Road including design guidelines for Federal Highways Administration rehabilitation work.

TECHNICAL ASSISTANCE SERVICES

Emergency Stabilization Field Work

- Hazard reduction (tree work)
- Emergency plant propagation
- Mitigation of compaction, drainage, erosion, vandalism
- Evaluation and emergency mitigation of storm damage

Cyclic Preservation Maintenance Work

- Rejuvenative and orchard pruning
- Arboricultural services
- Hedge and vista management
- Replacement of missing or deteriorated plant material
- Field inspection, condition assessment, and monitoring of landscape features

Resource Protection Work

- Propagation of historic plants
- Mitigation of vegetative threats
- Assistance with fire management planning
- Temporary protection of historic landscape features

Maintenance and Preservation Planning

- Development of *Landscape Preservation Maintenance Guides* – inventory, inspection, work calendar, and landscape feature data
- Mapping and identification of historic plant material
- Review of existing landscape maintenance operations
- Preparation of *Cultural Landscape Reports* and Special Studies
- Analyses of integrity
- Preparation of historic period plans
- Preparation of treatment alternatives
- Preparation of scopes of work for contracting landscape preservation work
- Assistance with Section 106 compliance
- Determinations of Eligibility for the National Register of Historic Places



Hazardous tree work, Frank Charles Park, Gateway National Recreation Area. The Olmsted Center mobilizes field crews for emergency stabilization work such as pruning to improve hazardous tree conditions.

1992-94 Olmsted Center Project List

Technical Assistance Projects

Acadia National Park

Historic Landscape Assessment, Motor Road
Determination of Eligibility, Motor Road
Historic Landscape Assessment, Sieur de Monts
Historic Landscape Assessment, Sieur de Monts
Phase II: Integrity
Storm Beach Historic Tree Maintenance Phase I:
Mapping for Fire Reduction

Adams National Historic Site

Landscape Preservation Maintenance Guide
Orchard Management Plan
Historic Tree Maintenance Assistance
Propagation of Historic Plant Material

Blackstone River Valley National Heritage Corridor

Preservation Needs Assessment, Freegrace-Marble Farm

Boston National Historical Park

Landscape Maintenance Guide, Bunker Hill
Historic Tree Maintenance, Bunker Hill
Historic Tree Propagation, Charlestown Navy Yard

Cape Cod National Seashore

Historic Landscape Assessment, Highland Light
Vegetation Management and Preservation of Stone Fences, Fort Hill

Edison National Historic Site

Gardener Interview/Preliminary Scope of Work for Cultural Landscape Report, Glenmont
Tree Preservation Maintenance Guide, Glenmont
Tree Assessment, Edison Laboratory
Hazardous Tree Pruning, Glenmont

Fire Island National Seashore

Historic Tree Transplanting

Gateway National Recreation Area

Landscape Reconnaissance, Fort Hancock
Tree Preservation Maintenance Guide, Fort Hancock
Historic Landscape Assessment, Fort Hancock
Tree Pruning and Training, Fort Tilden
Tree Pruning and Hazard Reduction, Frank Charles Park

Lowell National Historical Park

Historic Landscape Assessment, Agent's House
Hazardous Tree Maintenance, Francis Gate
Historic Landscape Assessment, Boott Mill

Marsh-Billings National Historical Park

Landscape Reconnaissance

Minute Man National Historical Park

Erosion Control and Shade Tree Management, North Bridge Trail
Shrub and Hedge Rejuvenation, Wayside house and Buttrick Mansion
Rejuvenative Pruning, Buttrick Mansion
Buttrick Mansion Garden Path Rehabilitation
Wayside Drainage Plan

Morristown National Historical Park

Orchard Tree Propagation, Wick Farm
Orchard Tree Propagation, Phase II
Hazardous Tree and Ornamental Shrub Pruning
Native and Specimen Tree Management Plan, Phase I: Reconnaissance

Roosevelt-Vanderbilt National Historic Sites

Vista Clearing and Orchard Pruning
Orchard Tree Propagation, J.R. Roosevelt Farm

Sagamore Hill National Historic Site

Hazardous Tree Assessment and Propagation
Historic Tree Removal
Historic Tree Age Assessment
Historic Tree Propagation, Phase II

Saint-Gaudens National Historic Site

Tree Preservation Maintenance Guide
Historic Plant Identification
Hedge Restoration, Phase I
Gardener Interview/Landscape Preservation Maintenance Guide
Historic Plant Cultivar Propagation
Hedge Restoration, Phase II
Hedge Restoration, Phase III: Nursery Rehabilitation

Salem Maritime National Historic Site

Landscape Preservation Maintenance Guide
Tree Identification, Propagation, and Pruning, Derby House

Saratoga National Historic Park
 Landscape Preservation Maintenance Guide,
 Schuyler House
 Historic Landscape Assessment, D.A.R. Memorial,
 Phase I

Saugus Iron Works National Historic Site
 Specimen Tree Preservation Maintenance Guide
 Hazard Stabilization and Preservation Program for
 Sweet Cherry Tree
 Identification/Herbarium Specimens of Sweet
 Cherry Tree

Springfield Armory National Historic Site
 Landscape Preservation Maintenance Guide

Statue of Liberty National Monument
 Tree Assessment and Maintenance Guide, Liberty
 Island
 Formal Hedge Rejuvenation, Liberty Island
 Tree Pruning and Planting, Liberty Island
 Vegetation Mapping and Rejuvenation, Ellis Island

Weir Farm National Historic Site
 Hazardous Tree Stabilization and Shrub
 Rejuvenation
 Landscape Maintenance Plan, Phase I
 Landscape Maintenance Plan, Phase II
 Weir Garden Phase I: Inventory and Rejuvenative
 Pruning (Weir and Burlingham Gardens)
 Weir Garden Phase II: Restoration Plan
 Apple Tree Propagation

Women's Rights National Historical Park
 Landscape Reconnaissance and Historic Landscape
 Assessment, Stanton House

Special Studies

*Compliance Documentation for the Historic Motor
 Roads, Acadia National Park*

*Cultural Landscape Assessments for
 Cranberry Bog, Cape Cod National Seashore
 Saugus Iron Works National Historic Site*

*Cultural Landscape Reports for
 Longfellow National Historic Site, Volume 1:
 Site History; Volume 2: Analysis and
 Treatment Recommendations
 Olmsted National Historic Site, Volume 1: Site
 History; Volume 2: Treatment Plan
 Truro Highlands Historic District, Cape Cod
 National Seashore
 Fort Hill, Cape Cod National Seashore
 Meriam's Corner, Minute Man National
 Historical Park
 Beale Estate, Adams National Historic Site*

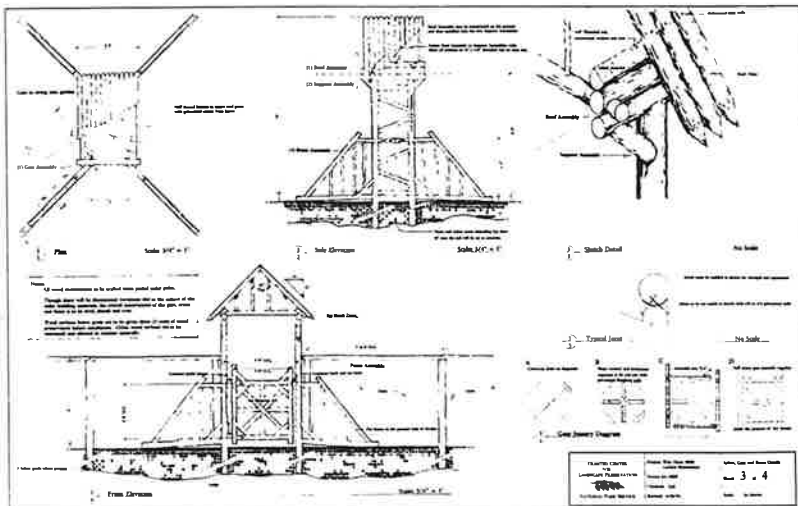
*Determination of Eligibility, Highland Historic
 District, Cape Cod National Seashore*

*National Register Nomination for the Historic Motor
 Roads, Acadia National Park*

*Land Use History for Marsh-Billings National
 Historical Park*

*Landscape Preservation Maintenance Program for
 Olmsted National Historic Site*

General Management Plan assistance:
 Weir Farm National Historic Site
 Marsh-Billings National Historical Park
 Saugus Iron Works National Historic Site



*Construction drawing for the replacement of
 the missing historic fence and gate, Weir
 Garden restoration, Weir Farm National
 Historic Site.*

Fort Hancock, Sandy Hook Unit, Gateway National Recreation Area. The Olmsted Center is preparing a Historic Landscape Assessment and Specimen Tree Preservation Maintenance Guide for Fort Hancock.



Training

North Atlantic/Mid Atlantic Co-regional
Historic Landscape Maintenance Workshops
(1993, 1994)

North Atlantic Region Gardener Intake Program
(1992-94)

National Historic Landscape Maintenance
Workshops (co-sponsor – 1992, 1993, 1994)

Historic Landscape Preservation Workshop for
State Historic Preservation Offices (1992)

Principles and Practice: Landscape Preservation
for the Historic Site Administrator (1992)

Strategic Training Plan for Historic Landscape
Preservation (ongoing)

Forum on Methods and Technologies for the
Preservation of Woody Plants on Historic
Landscapes (ongoing)

Technology Development

Landscape Applications for Geographic
Information Systems (GIS)

Landscape Applications of Inventory and
Condition Assessment Program (ICAP)

Regional Cultural Landscape Inventory (CLI)

Regional Historic Plant Inventory

Regional Historic Plant Nursery

Publication: Developing a Preservation
Maintenance Guide for a Historic Landscape
(forthcoming)

Publication: Methods and Technologies for the
Preservation of Woody Plants on Historic
Landscapes (forthcoming)

OLMSTED CENTER PARTNERS AND STAFF

The Steering Committee

The roles of the Steering Committee for the Olmsted Center are to:

- Establish policy for the Olmsted Center Program,
- Set priorities for the annual work program,
- Ensure accountability and quality of work.

The 1995 Steering Committee includes:

Sarah Olsen, Superintendent, Weir Farm NHS
(Chair)
Bob Cook, Director, Arnold Arboretum of
Harvard University
Ted Davis, Facility Manager, Lowell NHP
Diane Dayson, Superintendent, Roosevelt-
Vanderbilt NHS
Rolf Diamant, Superintendent, Olmsted,
Longfellow, Kennedy NHS
Joe Finan, Facility Manager, Saratoga NHP
Mary Foley, Assistant Regional Director, Natural
Resources, NAR
Eugene Gabriel, Facility Manager, Adams NHS
Larry Gall, Assistant Regional Director, Cultural
Resources, NAR
Vidal Martinez, Superintendent, Sagamore Hill
NHS
Bob McIntosh, Associate Regional Director,
Research and Resource Management, NAR
Nancy Nelson, Superintendent, Minute Man NHP
Dave Price, Chief, Maintenance, NAR
Dave Rose, Facility Manager, Boston NHP
Terry Savage, Associate Regional Director,
Planning, Development and Engineering,
NAR

Partnership Parks

Specimen tree preservation is provided by
Roosevelt-Vanderbilt National Historic Sites:
Ronald Galente, Horticulturist
Steve Hanaburgh, Arborist

Urban horticulture and soils management is
provided by Statue of Liberty/Ellis Island
National Monuments:

Al Farrugio, Horticulturist

Gardener Intake Program and orchard management
is provided by the Adams National Historic Site:

Eugene Gabriel, Facility Manager

Care and facilities for historic plant nursery stock
are provided by Minute Man National Historical
Park:

Blaise Davi, Chief of Maintenance

The Arnold Arboretum of Harvard University

Robert Cook, Director
Phyllis Andersen, Landscape Historian
Kristin Claeys, Landscape Preservation
Field Assistant
Kirsten Thornton, Landscape Preservation
Assistant
Peter Del Tredici, Assistant Director for Living
Collections

Frederick Law Olmsted National Historic Site

Rolf Diamant, Superintendent
Lee Farrow Cook, Deputy Superintendent
BJ Dunn, Administrative Officer
Patti McAlpine, Administrative Technician
Ed Baciagalupo, Facility Manager

Olmsted Center Staff

Nora Mitchell, Manager, Olmsted Center
Lauren Meier, Preservation Planning Supervisor
Charles Pepper, Preservation Maintenance
Supervisor
Margaret Coffin, Historical Landscape Architect
Catherine Evans, Historical Landscape Architect
H. Eliot Foulds, Historical Landscape Architect
Heidi Hohmann, Historical Landscape Architect
Katharine Lacy, Historical Landscape Architect

THE FREDERICK LAW OLMSTED NATIONAL HISTORIC SITE

The Frederick Law Olmsted National Historic Site is administered by the National Park Service, U.S. Department of the Interior. The site is open Friday, Saturday, and Sunday; groups are welcome at other times by advance reservation. A variety of publications concerning landscape design history can be purchased at the bookstore. For more information, contact:

Superintendent
Frederick Law Olmsted National Historic Site
99 Warren Street
Brookline, MA 02146
(617) 566-1689

HOURS

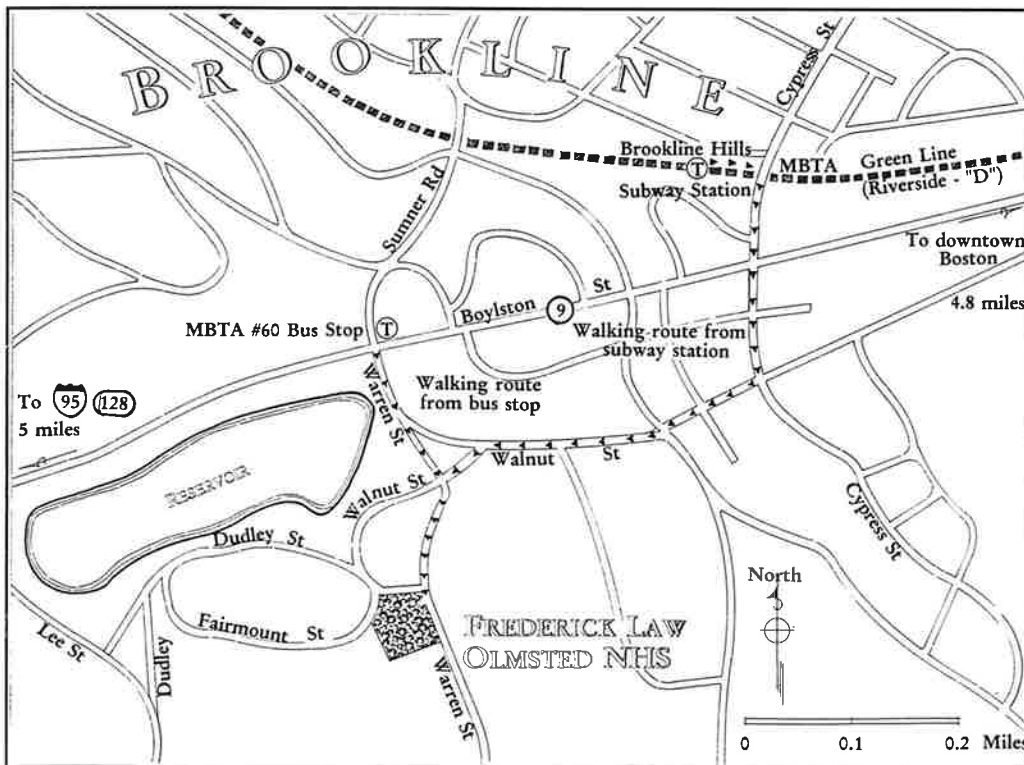
Walk in public: 10:00 AM - 4:30 PM Friday, Saturday, Sunday. Tours by park rangers are offered every hour on the half hour from 10:30 to 3:30. Tours last 40 minutes. Open at other times during the week by group reservation.

DIRECTIONS

From the west: Route 128 to exit 20, Route 9 east. Travel approximately 5 miles past the Brookline Reservoir on the right. Turn right on Warren Street after the reservoir. The site is at the intersection of Warren and Dudley. Turn right on Dudley Street, the parking lot is in the back.

From the east: Route 9 (Boylston Street) west from Boston past Brookline Village. Turn left on Warren Street (if you pass the reservoir on the left you have gone too far). Once on Warren Street, directions are same as above.

MBTA Green Line "D" Riverside Train to Brookline Hills. Turn right from subway station, then right onto Cypress Street. Continue on Cypress Street across Route 9 (Boylston Street) to Walnut Street. Turn right on Walnut Street and continue to Warren Street. Turn left onto Warren Street and follow directions above. Or, take MBTA Bus #60 to stop on Route 9 at Warren Street.



THE ARNOLD ARBORETUM OF HARVARD UNIVERSITY

Covering 265 acres, the Arnold Arboretum displays North America's premier collection of hardy trees, shrubs, and vines. The grounds were planned and designed by the Arboretum's first director, Charles Sprague Sargent, and Frederick Law Olmsted. The Arboretum, started in 1872 and named for its benefactor, James Arnold, remains one of the best preserved of Olmsted's landscapes.

A National Historic Landmark and an international center for scientific research and education, the Arnold Arboretum offers extensive public education courses, guided tours, publications, a bookshop, and a membership program. In addition to the plant collection, the Arboretum houses herbaria and libraries in the Hunnewell Visitor Center and in the Harvard University Herbaria in Cambridge.



HOURS

The grounds are open from sunrise to sunset every day of the year. There is no admission charge, but donations are welcomed. The Hunnewell Visitor Center, located inside the Main Gate on the Arborway (Route 203), is open from 9 a.m. to 4 p.m. Monday - Friday and 12 noon to 4 p.m. Saturday and Sunday.

DIRECTIONS

By car from Boston and Cambridge: Take Storrow Drive to the Fenway/Park Drive exit. At the top of the ramp, follow signs to the Riverway, which becomes the Jamaica way and then the Arborway. Follow signs to the Arnold Arboretum, located at the junction of the Arborway (Route 203) and Centre Street (Route 1).

By car from Route 95/128: From either the North or the South, exit onto Route 9 East. Follow Route 9 for 7 miles to the Riverway. Exit to your right onto the Riverway (Route 1 South) toward Dedham and Providence. Follow signs along the Riverway, Jamaica way and Arborway to the Arboretum, located at the intersection of Centre Street (Route 1) and the Arborway (Route 203).

*Spring in the Arnold Arboretum of Harvard University.
Photo courtesy the Arnold Arboretum.*