Brookline Reservoir Park
Welcome Everyone!

- Introduction
- Recap of First DRC Meeting
- Preliminary Design Alternatives
- Public Discussion
- Summary and Conclusion
Project Goals and Priorities

• Safety and accessibility;
• Community gathering;
• Opportunities for people of all ages and abilities; and
• Beautiful, natural, historic open space.
Design Review Process

• Introduction of Design Review Committee
• Open discussion in public meetings
• Final presentation to and vote by Park and Recreation Commission
• Construction bid package by Town staff
• Total budget $2.2 million, including gate house and masonry repair
SEPTEMBER 26, 2017

BROOKLINE RESERVOIR PARK

Meeting 1:
Gathering Input from the Community
June 19

Meeting 2:
Discussion of Alternatives
September 26

Site Walk:
October 18

Meeting 3:
Development of Design with Associated Costs
November 21

Meeting 4:
Preferred Design with Budget
January/February

Meeting 5:
Park and Recreation Commission
March

Evaluate Input and Determine Priorities to Develop Design Alternatives

SPR 17

SUM 17

FALL 17

WIN 17

FALL 18

Develop Construction Documents

REVIEW PROCESS

Project Timeline

Evaluate Input and Determine Priorities to Develop Design Alternatives

Meeting 3:
Development of Design with Associated Costs
November 21

Meeting 4:
Preferred Design with Budget
January/February

Meeting 5:
Park and Recreation Commission
March

Bidding & Contract Awarded

SEPTEMBER 26, 2017
RECAP OF 1ST DRC MEETING
Existing Conditions—Survey
Significance of the Park
Opportunities & Constraints

- Park entrances and circulation
- Edge conditions
- Signage
- Site furnishings
- Masonry repair
- Gatehouse improvements
- Directive from MA Office of Dam Safety

SEPTEMBER 26, 2017

BROOKLINE RESERVOIR PARK
Baseline Improvements

- Universal access
- Renovation/repair of walking paths
- Masonry repair
- Drainage and utility improvements
- Turf and planting renovation
- Removal of invasives
- Solutions for MA Office of Dam Safety

SEPTEMBER 26, 2017
BROOKLINE RESERVOIR PARK
State Requirements for Dam Safety Compliance

ODS Policy on Trees on Dams

- Dam embankments must be maintained free of trees and brush
- No trees and brush within 20 feet of dam or appurtenant structures
- Healthy uniform cover of grass is recommended
- Permit required if vegetation to be removed is greater than 4 inches in diameter

Regulated by Massachusetts Office of Dam Safety (ODS)

“Intermediate” sized structures
“High” hazard classifications

2014 Inspection
- Dam is generally well maintained
- Observed deficiencies
Comments Heard

- Concern about loss of vegetation
- Appreciation of history
- Understanding of accessibility requirements & goals
- Importance of maintaining the park’s character
- Drainage issues
- Desire for additional amenities—bicycle storage, another drinking fountain, distance markers
- Deterioration of infrastructure
- Goose management
PRELIMINARY DESIGN ALTERNATIVES
Masonry Evaluation & Potential Repair

- Repair needed at basin armature
- Repair needed at Dudley Street wall
- Retaining walls need repointing

Stone at reservoir basin
Stone at retaining wall
Stone veneer at bank
Gate House Improvements
Path Alternatives

Existing condition—12’ wide stone dust, no edge, $12/LF

12’ wide stone dust path with metal edge both sides, $36/LF

12’ wide stone dust path with cobble edge both sides, $62/LF

Distance marker
Potential Improvements to Edge Conditions

- Steel rail repairs
- Potential rail at top of slope
- Potential new trees over lawn
- Post & rail repair/replace

- Repair guardrail
- Wood rail repair/replacement
- Clear invasives
Potential Railings at Top of Slope

- Metal post & rail w/ infill—pickets or mesh
- Metal picket/pedestrian guard
- Incorporate stone
- Existing edge at Route 9
Site Furniture

- Ex bench – “Boston Bench”
- Ex bench – “Creative Pipe”
- Ex Trash Receptacle
- Potential “Big Belly” trash/recycling
- Potential new bike racks & signage
- Ex drinking fountain
- Potential 2nd drinking fountain
- Potential for additional seating/picnicking
- Reinstall mile-marker
Site Furniture

Existing site furniture

Potential site furniture
Possible Site Furniture Arrangements

- Single seats w/table
- Glider
- Café table & chairs
- Group seating
- Conversational benches
Universal Access / Park Entrances

- Entrance – Improve Access
- Entrance – Improve Access
- Entrance – Improve Access
- Add Entrance?
- Primary Entrance - Improve Access
- Entrance - Improve Access
Warren Street Entrance

Existing Conditions

Stair Alternative

Accessible Alternatives
Dudley Street Entrance - 1

Accessible Option

Existing Conditions
Lee/Rt 9 Entrance

Potential New Entrance

Example images
Walnut Entrance

Potential improvements

Steep path to stairs

Inaccessible stairs
Removal of Invasives

- Remove invasive species – potentially replace with trees over lawn
- Areas of a greater presence of invasives in a mature
- Areas of a lesser presence of invasives in a mature
- Eurasian Milfoil, an aggressive aquatic invasive, to be removed
Turf To Be Restored

Both edges of rebuilt stone-dust path
Worn footpath
Shady areas
Damaged area
Understanding ODS Implications

ODS POLICY:
• Remove all under-brush and trees, establish uniform cover of grass

Existing Conditions

ODS Policy
PROPOSED REFINED APPROACH:

- MUST - Remove all under-brush & trees under 6” cal.
- MUST - Remove trees adjacent to Gatehouse & trees in poor health
- Maintain trees – back of embankment, above water level & 6”+ caliper and healthy
- Maintain trees – along top of bank (i.e. Cherry Trees)
Understanding ODS Implications

PROPOSED Refined approach:

- MUST - Remove all under-brush & trees under 6” cal.
- MUST - Remove trees adjacent to Gatehouse & trees in poor health
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Proposed Refined Approach to ODS Policy

How does this work with the park overall??
Alternative for Lawn and Vegetation

A

- Cleared area with lawn
- Existing trees over lawn
- Existing trees and underbrush (with invasives removed)
Alternative for Lawn and Vegetation

B

- Cleared area with lawn
- Existing trees over lawn
- Cleared OR Existing trees over swaths of various short grasses
What are your priorities for improvements in the park—plantings, accessibility, edge conditions, site furniture?
Contact Information

Your input is valuable - Please contact us with your ideas!

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Possible Site Furniture Arrangements

Single seats w/table

Glider

Café table & chairs

Group seating

Conversational benches
Potential Railings at Top of Slope

- Metal post & rail w/ infill—pickets or mesh
- Metal picket/pedestrian guard
- Incorporate stone
- Existing edge at Route 9
Proposed Refined Approach to ODS Policy

How does this work with the park overall??