



# CHANDLER POND COMMUNITY MEETING

## Master Plan and Phase 1



March 16, 2023  
Boston Parks and Recreation



# MEETING RECORDING



*The Boston Parks and Recreation Department will be recording the meeting and posting to our project webpage for those who are unable to attend the Zoom meeting live.*

*It is possible that participants may also be recording the meeting with their phones cameras or other devices. If you do not wish to be recorded during this meeting, please keep your microphone muted and camera off.*

*Please share with your neighbors and friends,*

## **WEB LINK:**

*[boston.gov/chandler-pond](https://boston.gov/chandler-pond)*

# VIRTUAL MEETING ETIQUETTE

*We want to ensure this conversation is a pleasant experience for all and that all community members/stakeholders are comfortable sharing their comments, questions and feedback.*

*Please be respectful and mindful of each other's time when asking questions/ providing comments, so that all attendees are able to participate in the meeting.*

*Keep questions/ comments project-specific and not personal to yield solution-driven discussion.*

*Please wait until all attendees have had the opportunity to ask a question/ provide a comment before providing additional questions/ comments.*

*You can always set up a conversation with Amy Linné, Project Manager, [amy.linne@boston.gov](mailto:amy.linne@boston.gov), to further discuss the project or process.*

# VIRTUAL MEETING TIPS

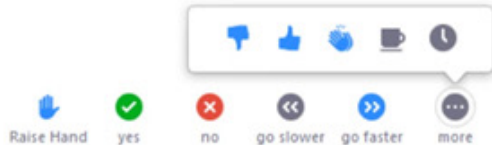
Here is how you can participate during the question and answer part of the presentation.

## DURING THE PRESENTATION:



### VIA WEB:

Turn video on / off.



To use these non-verbal options click on participants (bottom of screen); these options will pop up in side bar.

## DURING THE Q&A:



### JOINING VIA PHONE?

Use \*9 to raise hand to ask for audio / video permission to ask questions or provide comments.



### VIA WEB:

Chat to ask questions / comments or provide responses to poll questions



Raise hand to ask for audio / video permission to ask questions or provide comments.



# AGENDA

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1

**PROJECT TEAM**

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2

**PROJECT STATUS**

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3

**PRESENTATION OF SITE ANALYSIS, MASTER PLAN DESIGN,  
AND PHASE 1 CONSTRUCTION**

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4

**LISTENING AND DISCUSSION**

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5

**CLOSING REMARKS & NEXT STEPS**

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# PROJECT TEAM

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## **Amy Linné**

Project Manager

[amy.linne@boston.gov](mailto:amy.linne@boston.gov) or 617-961-3045

## **Frank Mendoza**

Office of Neighborhood Services:

[francis.mendozamccarthy@boston.gov](mailto:francis.mendozamccarthy@boston.gov) or 617-635-2678

## **Christine Brandao**

Outreach Coordinator, External Affairs

## **Kyle Zick**

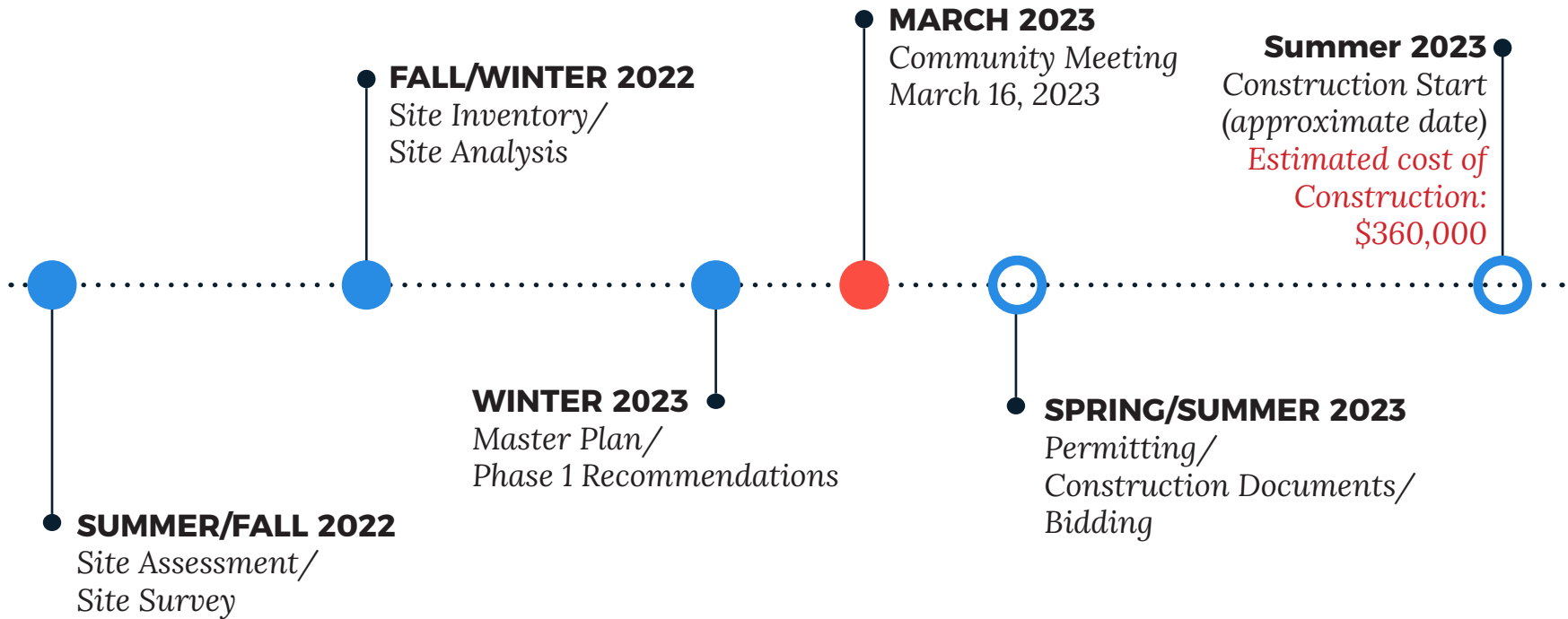
Principal, Kyle Zick Landscape Architecture, Inc.

## **Tracy Hudak**

Project Landscape Architect, Kyle Zick Landscape Architecture, Inc.



# PROJECT SCHEDULE & FUNDING



# PROJECT APPROACH





# CITY OF BOSTON PRIORITIES

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- **Expanding walkable access to parks**
- **Addressing equity**
- **Climate resilience**
- **Health**
- **Housing and community building**



# PARKS & RECREATION GOALS

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- **Accessible and available to all**
- **Diverse, balanced, and efficient mix of uses**
- **Meaningful and inclusive community engagement**
- **Adaptive and resilient landscapes**
- **Promote connections**





# **CHANDLER POND SCOPE OF WORK**

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**Develop a Landscape Restoration and Land Management Plan that includes recommendations to:**

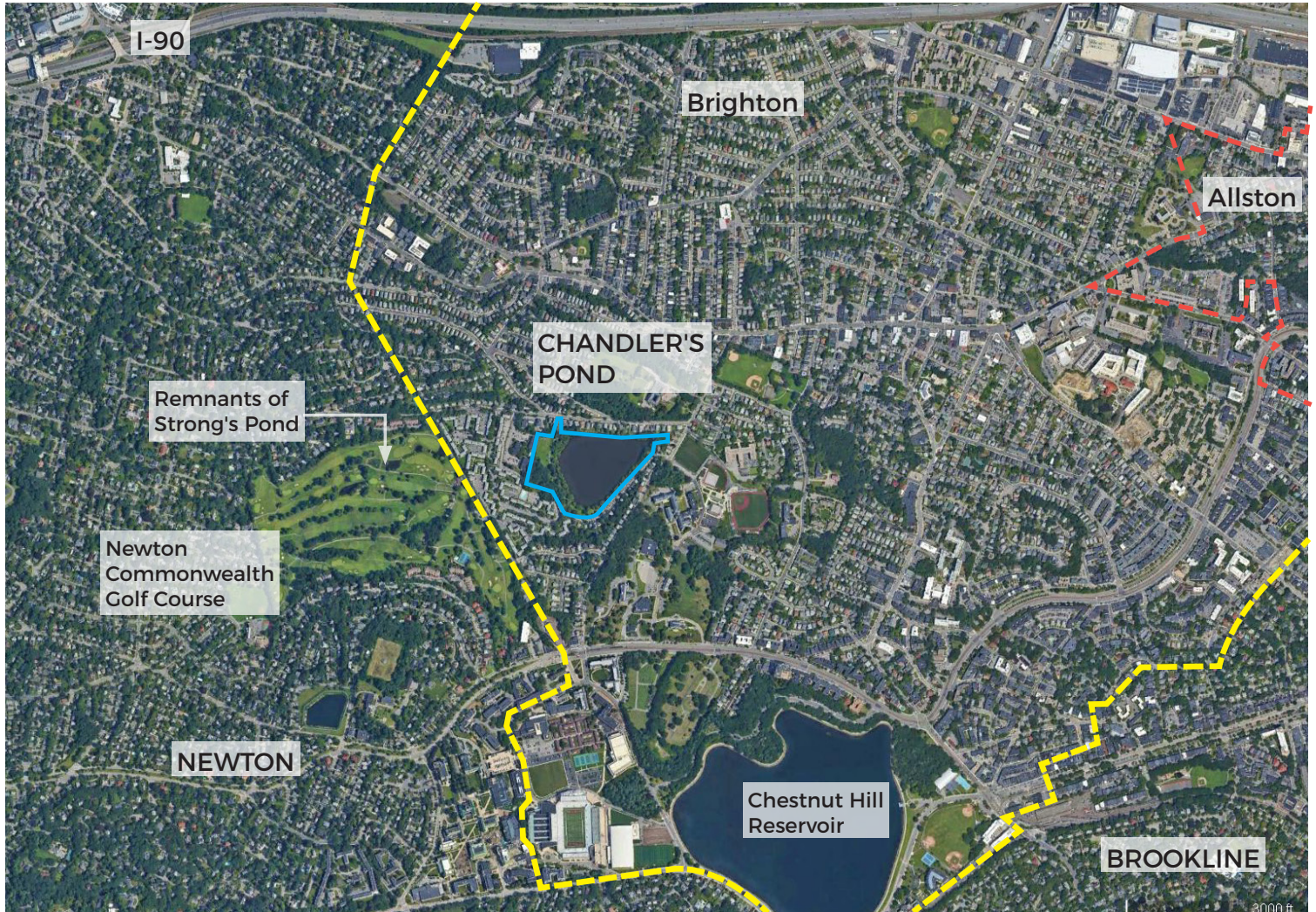
- **Restore and protect the ecological health of the pond**
- **Manage the shoreline and upland zones of the pond and park**

**Guide the first phase of shoreline stabilization and restoration planting work through permitting and construction**



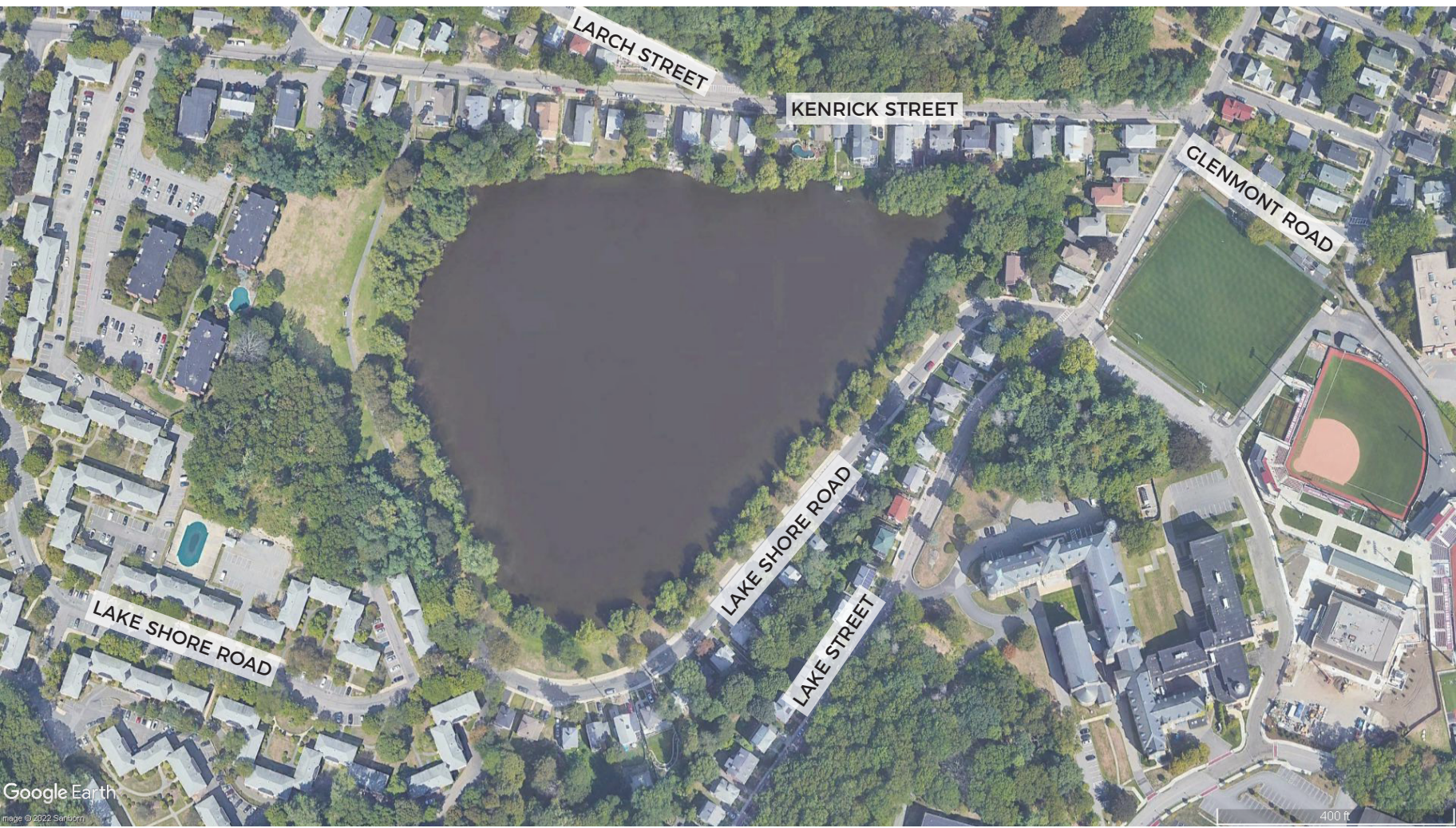


# SITE LOCATION





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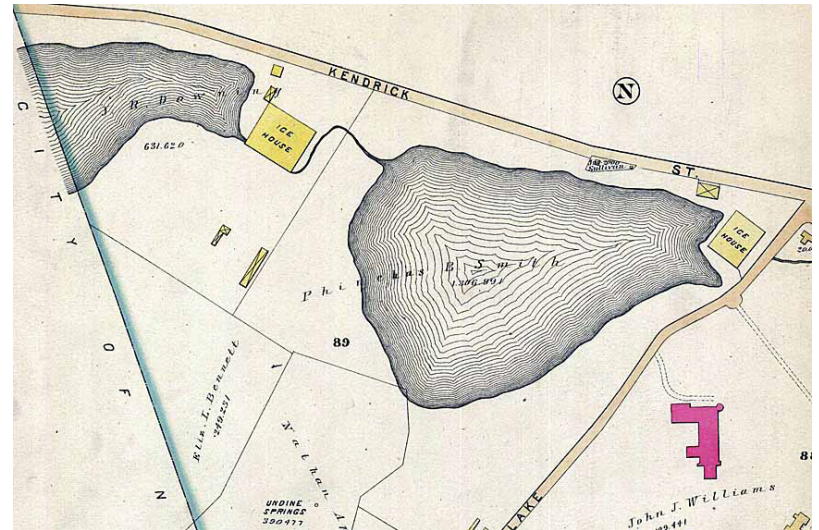


# SITE ANALYSIS

- **Man-made pond**
- **Originally constructed in 1855 for ice harvesting**
- **Allston-Brighton had almost 20 ponds - Only Chandler Pond remains recognizable**
- **Fed by Dana Brook, flowing out of Newton, and through the stormwater drainage system**
- **Eventually empties into the Charles River via the Faneuil Brook culvert**
- **Boston acquired the property in the 1930s, and created Gallagher Park to honor Alice Gallagher, the wife of a city councilor**

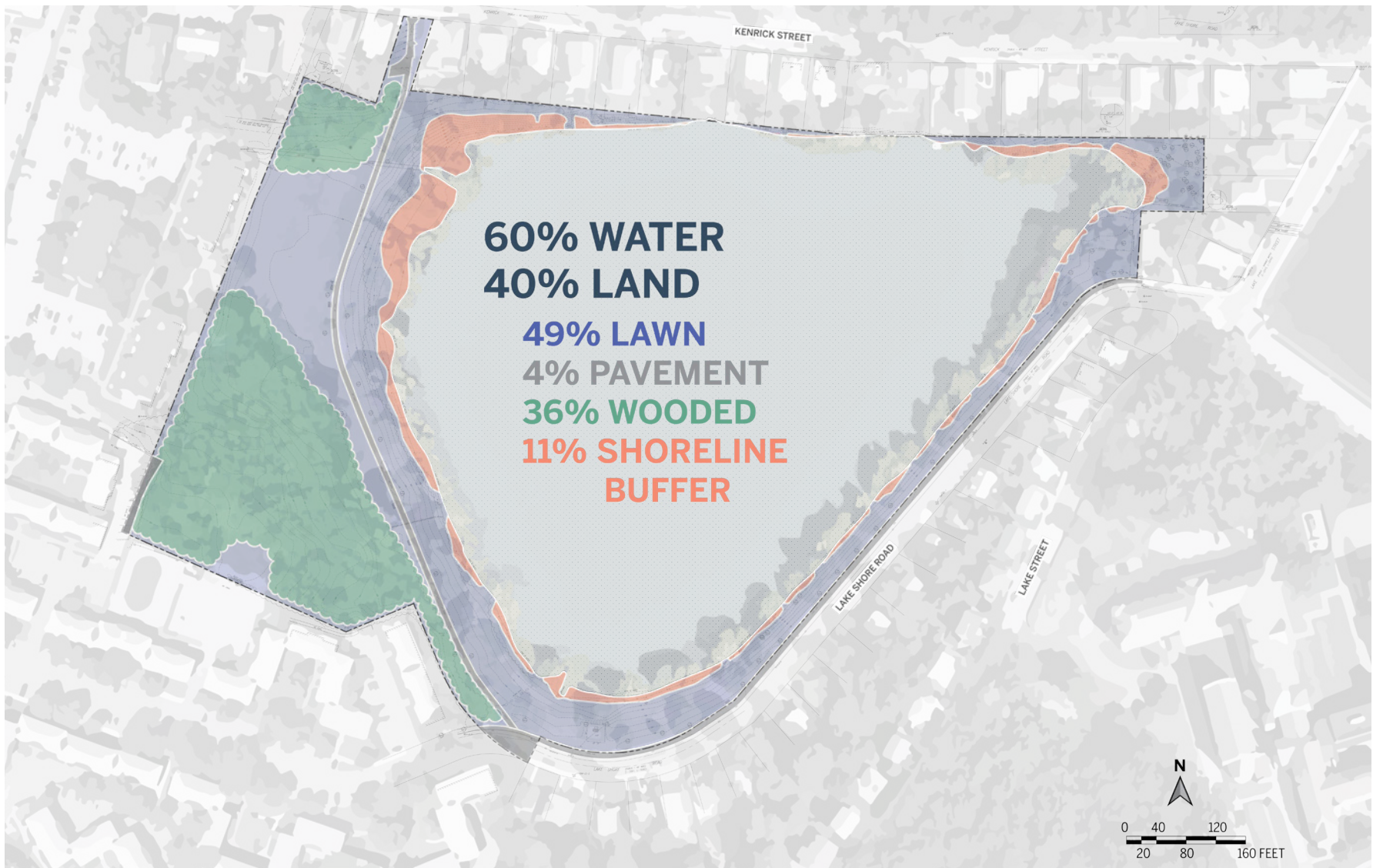


*View Across the Pond, 1890, Boston Public Library*



*1885 Map with Chandler Pond to the right and Strong's Pond to the left, Brighton-Allston Historical Society*

## CHANDLER POND - ORIGINS/HISTORY



# CHANDLER POND - LAND USES



# EXISTING



# IDEAL



GOOD

BEST

# CHANDLER POND - BUFFERS AND EROSION








# CHANDLER POND - WATER FEATURES AND DRAINAGE





# CHANDLER POND - WATER FEATURES AND DRAINAGE

-  Sewershed
-  Presumed Limit of Sewershed (Pending Confirmation)
-  City Limit



**Typical invasive species**

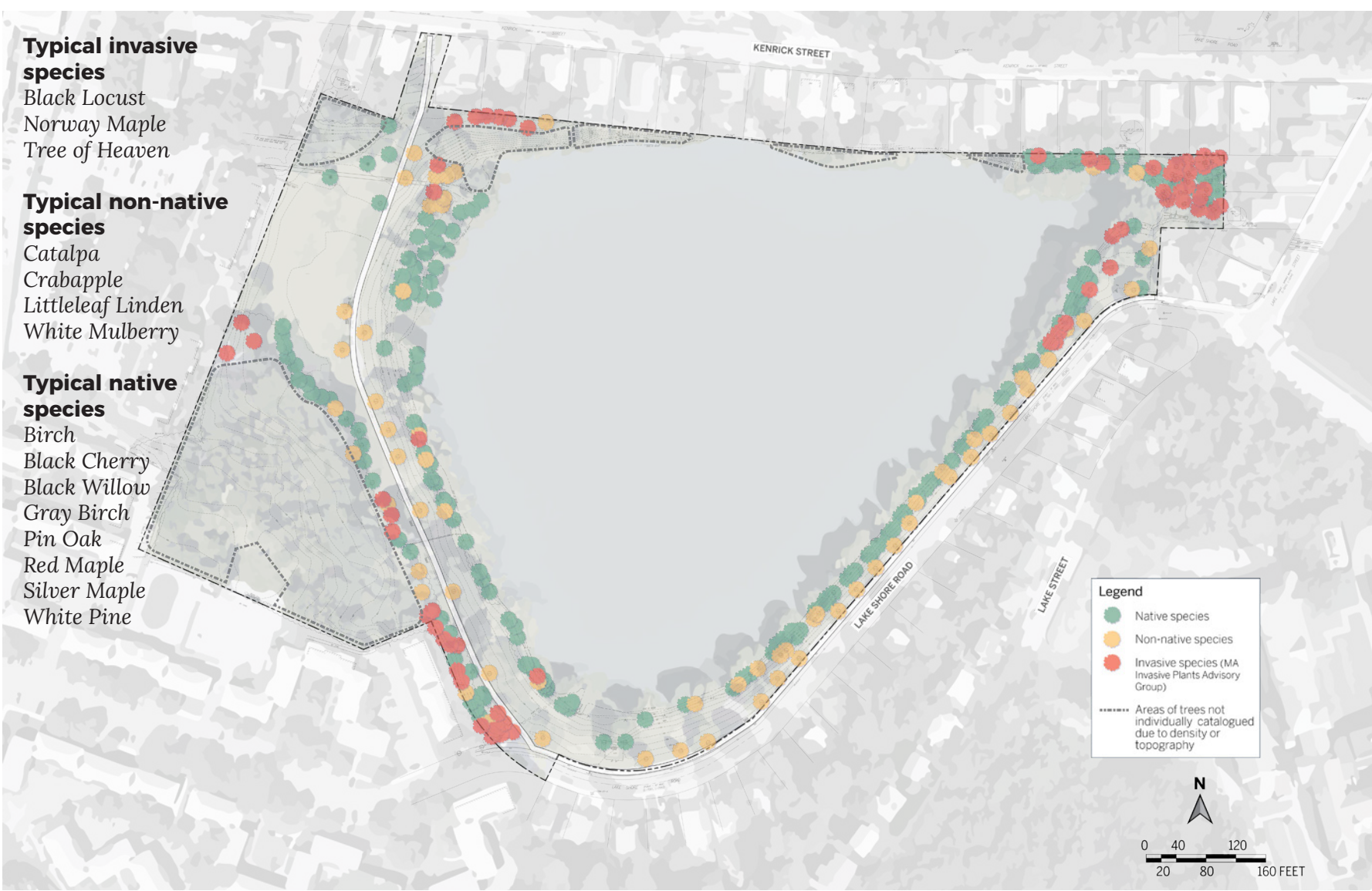
Black Locust  
Norway Maple  
Tree of Heaven

**Typical non-native species**

Catalpa  
Crabapple  
Littleleaf Linden  
White Mulberry

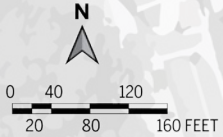
**Typical native species**

Birch  
Black Cherry  
Black Willow  
Gray Birch  
Pin Oak  
Red Maple  
Silver Maple  
White Pine

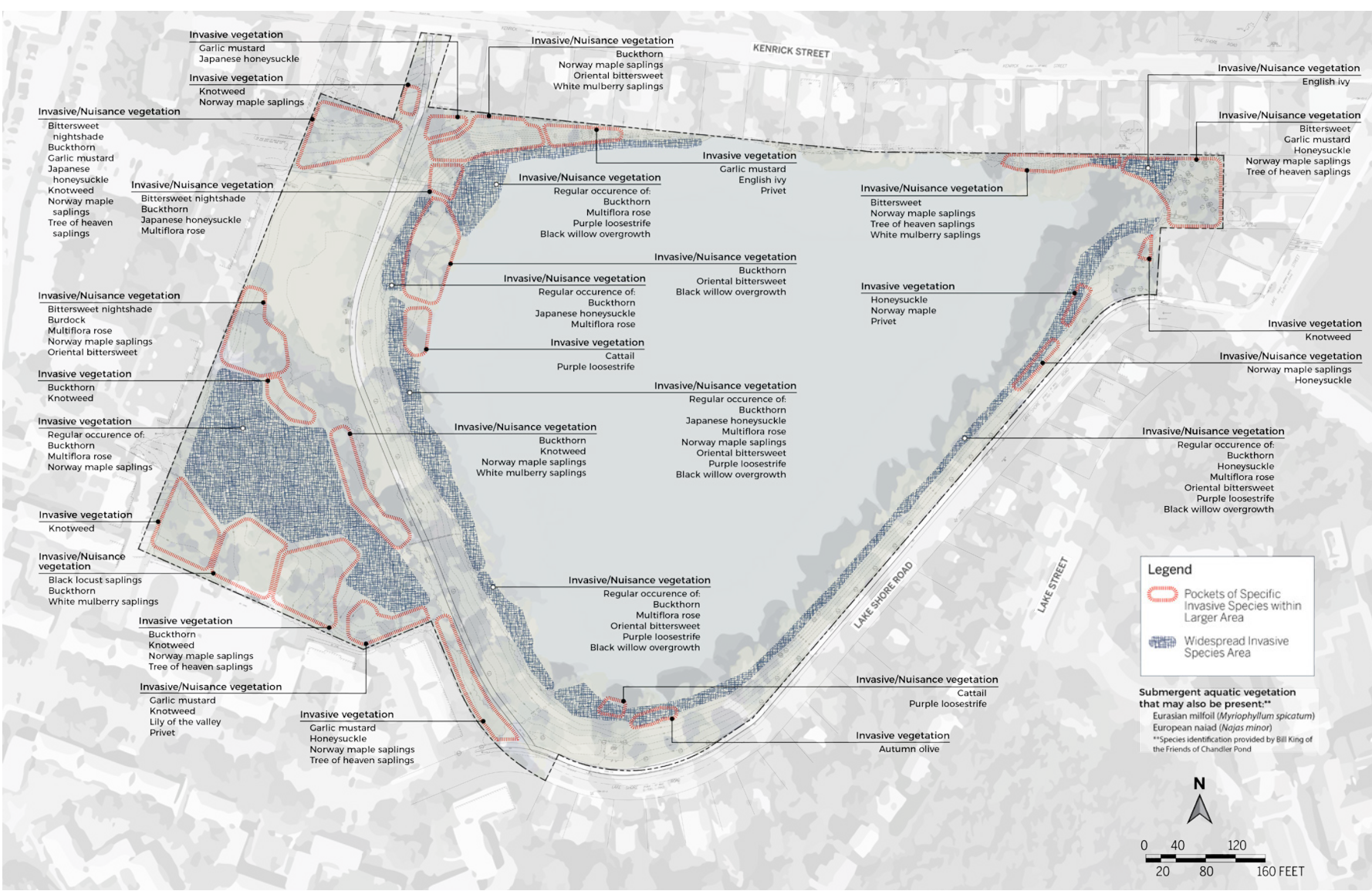


**Legend**

- Native species
- Non-native species
- Invasive species (MA Invasive Plants Advisory Group)
- Areas of trees not individually catalogued due to density or topography



**CHANDLER POND -  
INVASIVE MATURE TREES**



# CHANDLER POND - OTHER INVASIVE VEGETATION

**Typical invasive species**  
Buckthorn  
English Ivy  
Garlic Mustard  
Honeysuckle

Knotweed  
Multiflora Rose  
Oriental Bittersweet  
Purple Loosestrife  
Invasive tree saplings





# CHANDLER POND - SLOPE



# CHANDLER POND - CIRCULATION





# CHANDLER POND - ACCESS





# CHANDLER POND - VIEWS

# **CHANDLER POND - RESTORE, PROTECT, AND MANAGE**

## **MASTER PLAN OBJECTIVES**

- **Stabilize the shoreline, preventing erosion and sedimentation**
- **Remove/Limit invasive species, upland and along shoreline**
- **Re-vegetate with desirable species - upland and along shoreline**
- **Take steps to improve general water quality**
- **Create ways to enjoy the pond while being ecologically sensitive**





# MASTER PLAN



**A** Improve Existing Buffer by Removing Invasives



**C** Establish Access Points



**E** Improve (4) Inlets and Drainage



**G** Establish Maintenance Guidelines

**B** Plant Additional Buffer Areas



**D** Maintain Key Views



**F** Establish Access to an Improved Woodland

**H** Address Vegetation Management Across Park



# MASTER PLAN - BUFFER



# MASTER PLAN - BUFFER PLANT TYPES



## Upland Plants



*LIRIODENDRON TULIPIFERA*  
TULIPTREE



*JUNIPERUS VIRGINIANA*  
EASTERN RED CEDAR



*CEANOTHUS AMERICANUS*  
NEW JERSEY TEA



*SCHIZACHYRIUM SCOPARIUM*  
LITTLE BLUESTEM

## Transitional Plants



*AMELANCHIER CANADENSIS*  
SHADBLOW



*VIBURNUM DENTATUM*  
ARROWWOOD



*PANICUM VIRGATUM*  
SWITCHGRASS



*ASTER NOVAE-ANGLIAE*  
NEW ENGLAND ASTER

## Wetland Plants



*CORNUS AMOMUM*  
SILKY DOGWOOD



*CEPHALANTHUS OCCIDENTALIS*  
BUTTONBUSH



*LINDERA BENZOIN*  
SPICEBUSH



*CAREX VULPINOIDEA*  
FOX SEDGE

# MASTER PLAN - EXAMPLE BUFFER PLANTS

### **Shrubs and Groundcovers**

**Where foot traffic is not expected/encouraged, and quick root establishment is needed to hold soil**

**Where maintenance access is difficult**

### **Grasses and Groundcovers**

**Where views are a priority or where low-growing vegetation is important for safety**

**Once a year mowing decreases maintenance demands as compared to lawn**

### **Existing Trees with Shrub Understory**

**Where native tree stands are already present, but understory contains invasives**

**Where it is desirable to replace established invasive trees with native trees**

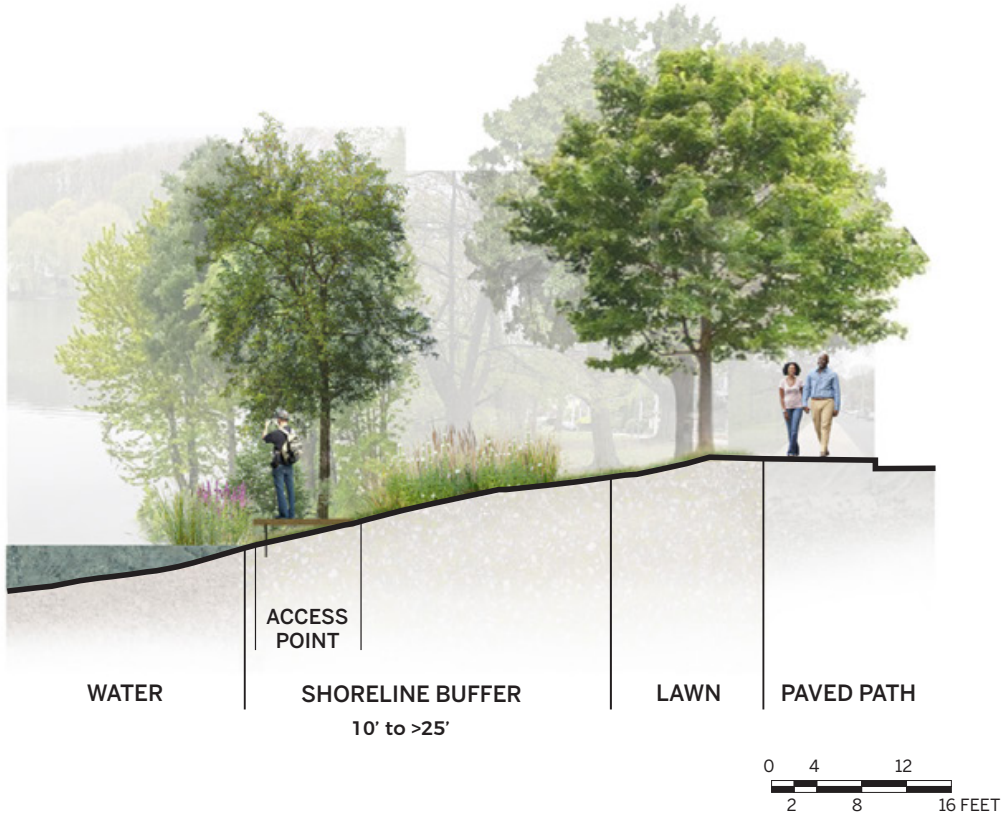
# **MASTER PLAN - BUFFER**







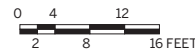
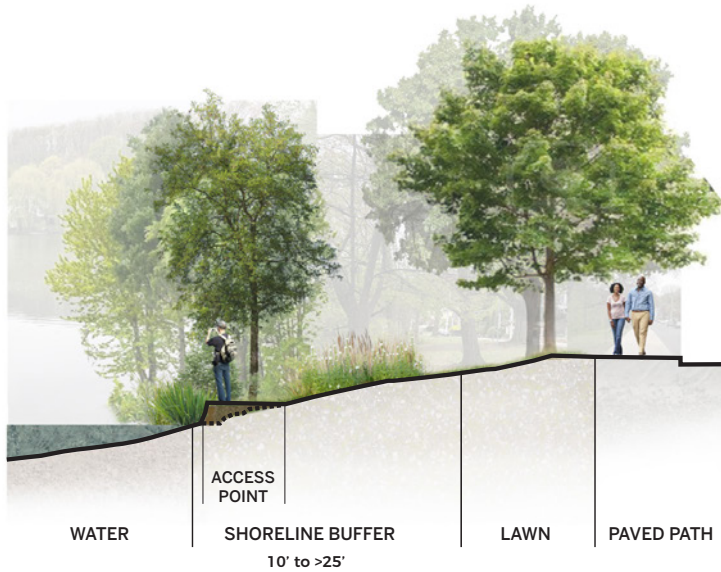
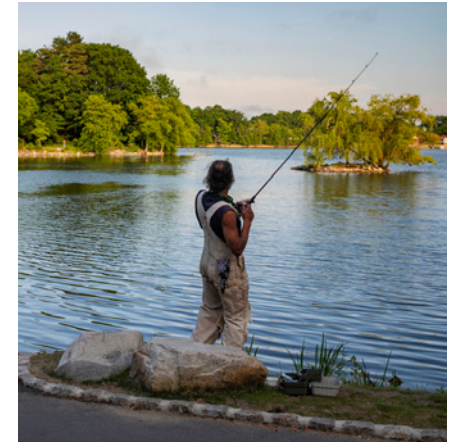
# MASTER PLAN - ACCESS POINTS



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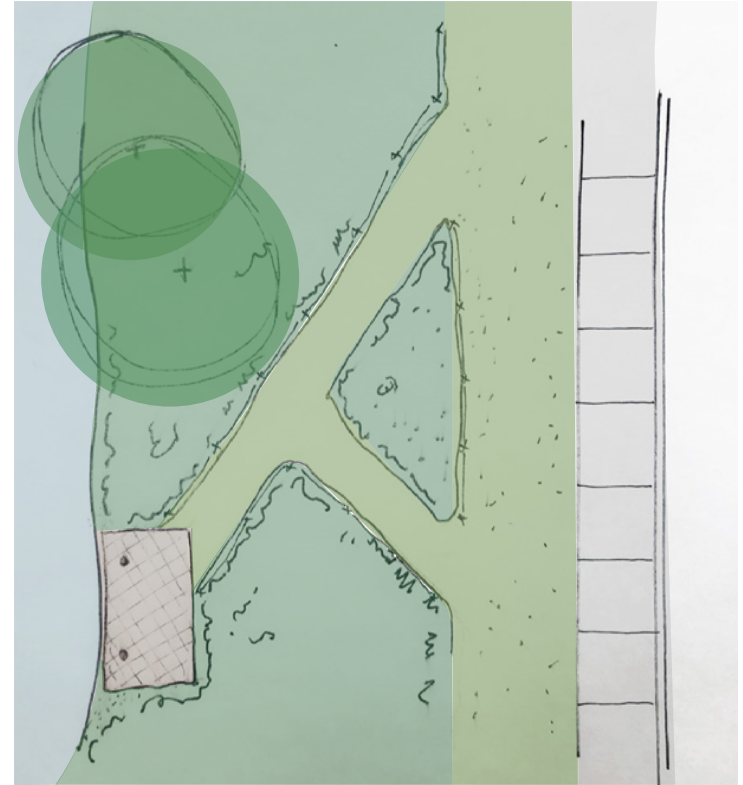
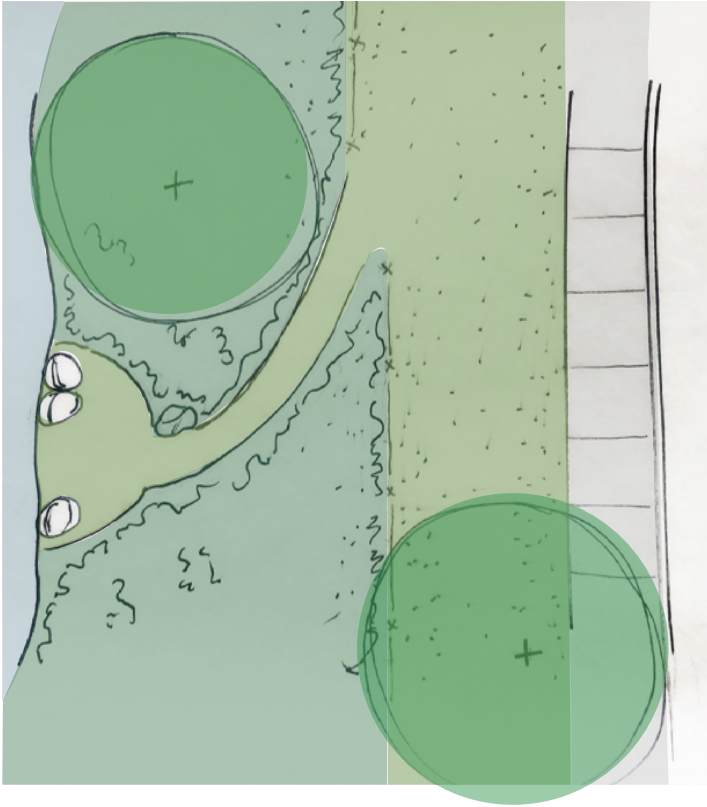
**NOTE:** Accessibility of Access Points will depend on the materials used and the slope of the approaching pathway.





# MASTER PLAN - ACCESS POINTS

NOTE: Accessibility of Access Points will depend on the materials used and the slope of the approaching pathway.



### **Approach Strategies**

Angled approach paths provide better accessibility and more protection against erosion  
Line of sight is maintained for people, but obstructed for undesirable wildlife.

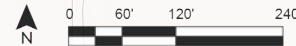
# **MASTER PLAN - ACCESS POINT APPROACHES**





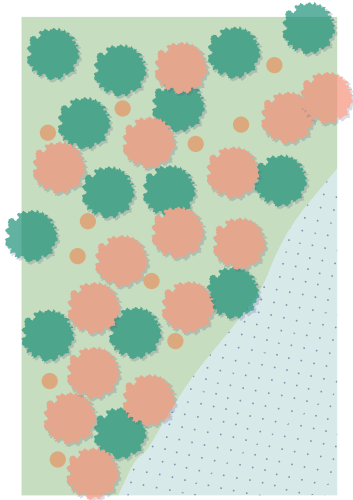
## **Invasive Management**




- 1. Treat small populations before they become a widespread problem.**
- 2. Remove invasive saplings, shrubs and perennials/annuals in the buffer zone as the buffer is improved or created.**
- 3. In areas with dense stands of invasive trees, implement phased removal and replanting.**



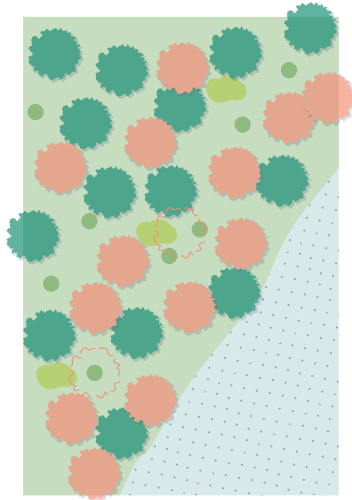
# **MASTER PLAN - VEGETATION MANAGEMENT**

Existing Condition



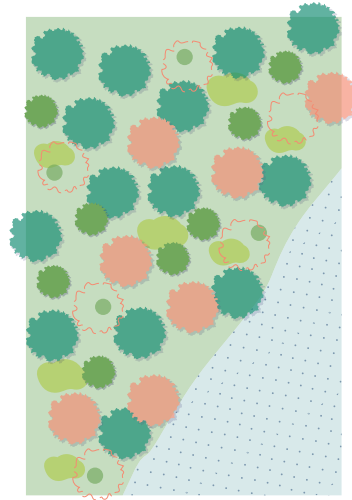
-  Mature Desirable Tree
-  Mature Invasive Tree
-  Invasive Sapling







Interim



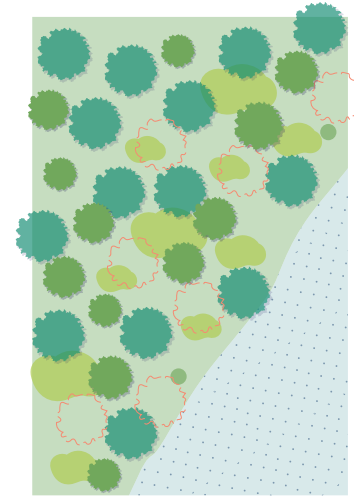
-  Mature Desirable Tree
-  Mature Invasive Tree
-  Planted Sapling
-  Planted Understory
-  Removed Tree






Transition



-  Mature Desirable Tree
-  Mature Invasive Tree
-  Young Desirable Tree
-  Planted Sapling
-  Planted Understory
-  Removed Tree

Sustain



-  Mature Desirable Tree
-  Young Desirable Tree
-  Planted Sapling
-  Planted Understory
-  Removed Tree

# MASTER PLAN - INVASIVE VEGETATION MANAGEMENT





# MASTER PLAN - WOODLANDS

## Wooded Areas:

- 1. Remove debris and clarify property boundaries.**
- 2. Treat invasives, moving from the edges, inward. Edge conditions are most vulnerable to colonization.**
- 3. Introduce a trail through the woodland area to expand the opportunities for recreation and create interest in maintenance. Install understory plantings at select locations along the proposed trail.**

## Woodland Plants



*VIBURNUM ACERIFOLIUM*  
MAPELEAF VIBURNUM



*EURYBIA DIVARICATA*  
WHITE WOOD ASTER



*RHODODENDRON MAXIMUM*  
GREAT RHODODENDRON



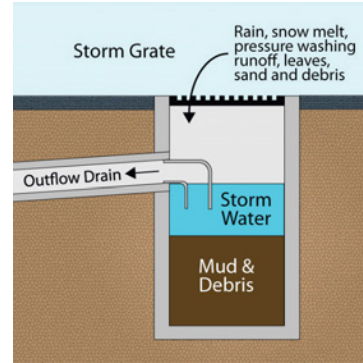
*PENSTEMON DIGITALIS*  
WHITE BEARDTONGUE

# Drainage System Improvements

Drainage system improvements depend on which pollutants are entering the pond through the storm sewer system.

Water quality testing is recommended to determine the best management practices (BMPs) that will have the greatest impact.

## CATCH BASINS



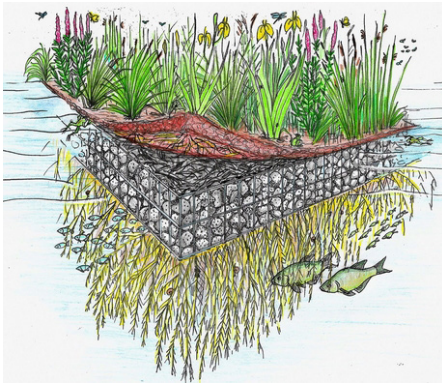
Storm drain sumps trap sediment, and the pollutants that bind to sediment particles.

## EDUCATION CAMPAIGN



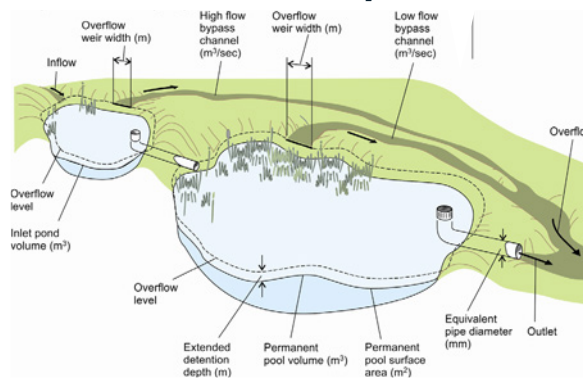
Education campaigns can help people make the connection between what they dump down the drain and the health of the pond.

## FLOATING WETLAND



Floating wetlands can provide pollutant uptake.

## INTERIM WETLAND/POOL



Introducing a mini-pool or wetland between the inlet and the pond can help sediment settle out and slow the water for pollutant absorption.

## SWALE



Meandering swales help slow water flows into a pond and allow sediment to settle out.

# MASTER PLAN - DRAINAGE SYSTEM IMPROVEMENTS POTENTIAL OPTIONS



# Master Plan Maintenance and Management Recommendations

These may include:

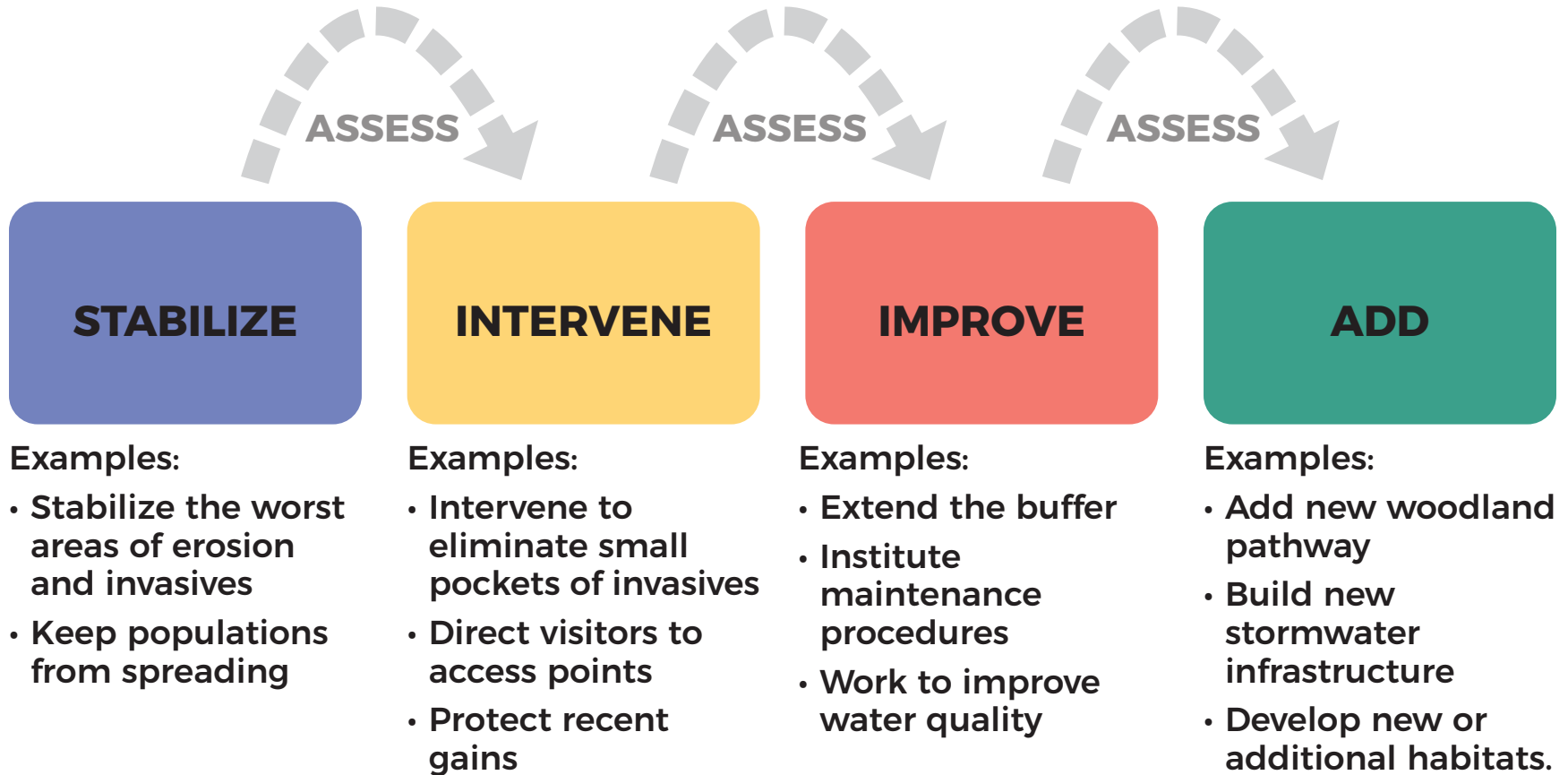
- **Considerations for Education/ Outreach/Signage**
- **Maintenance Guide/Schedule for regular maintenance (e.g. lawn mowing) and special occasion maintenance (e.g. meadow practices)**
- **Guidance on identifying invasive species**
- **Invasive plant management protocol for contracted services, maintenance staff, and volunteers.**
- **Information on City and State laws pertaining to the management of wetlands and wetland buffer areas. Guidance for property owners living on the pond perimeter.**



Example of Plant Establishment Fence that can be used to ensure buffer plants can get established.

## MASTER PLAN - MAINTAINANCE AND MANAGEMENT

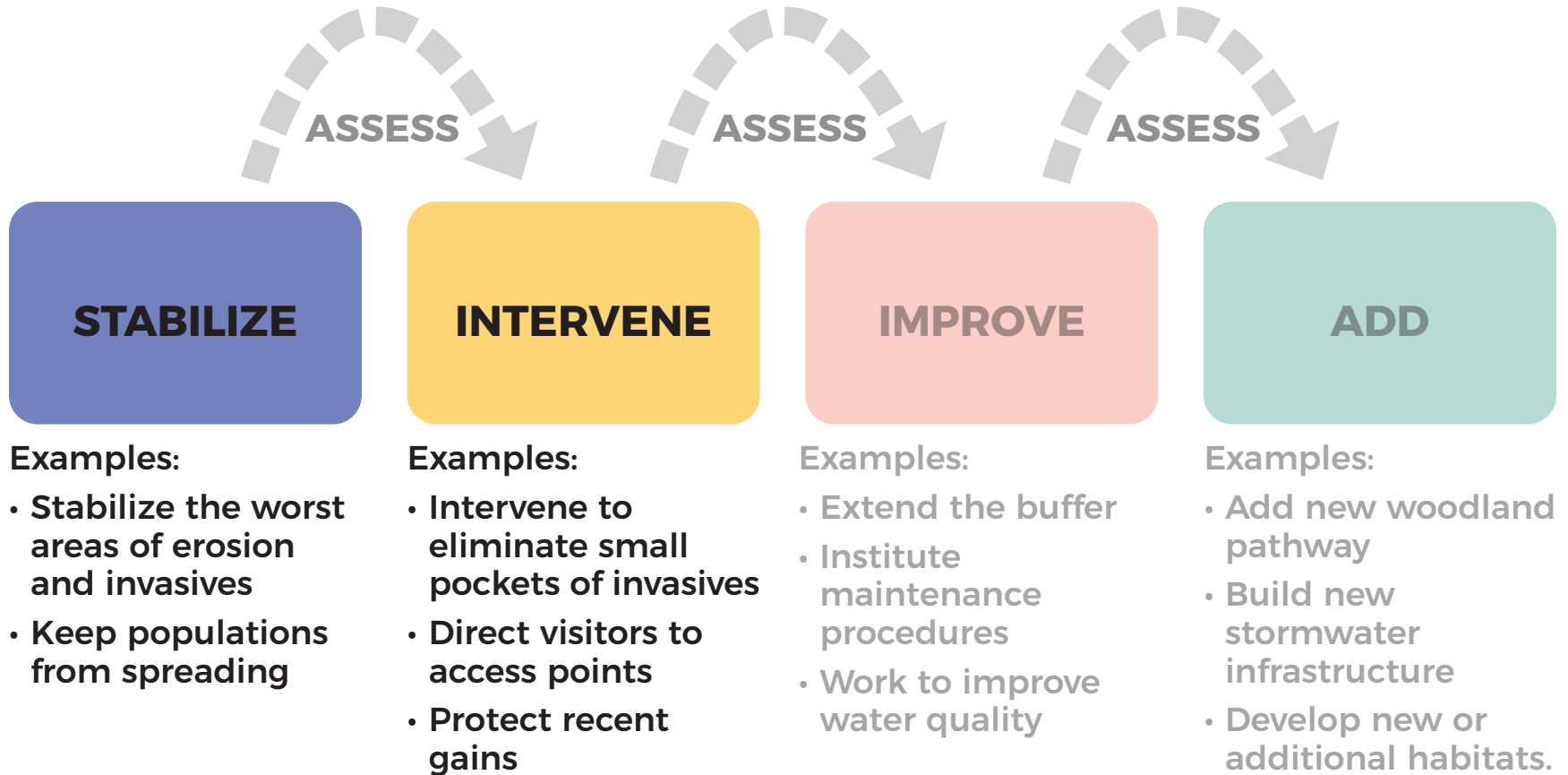
# Overall Strategy for Implementing the Master Plan



## MASTER PLAN - STRATEGY FOR IMPLEMENTATION



## Focus for Phase 1 Activities



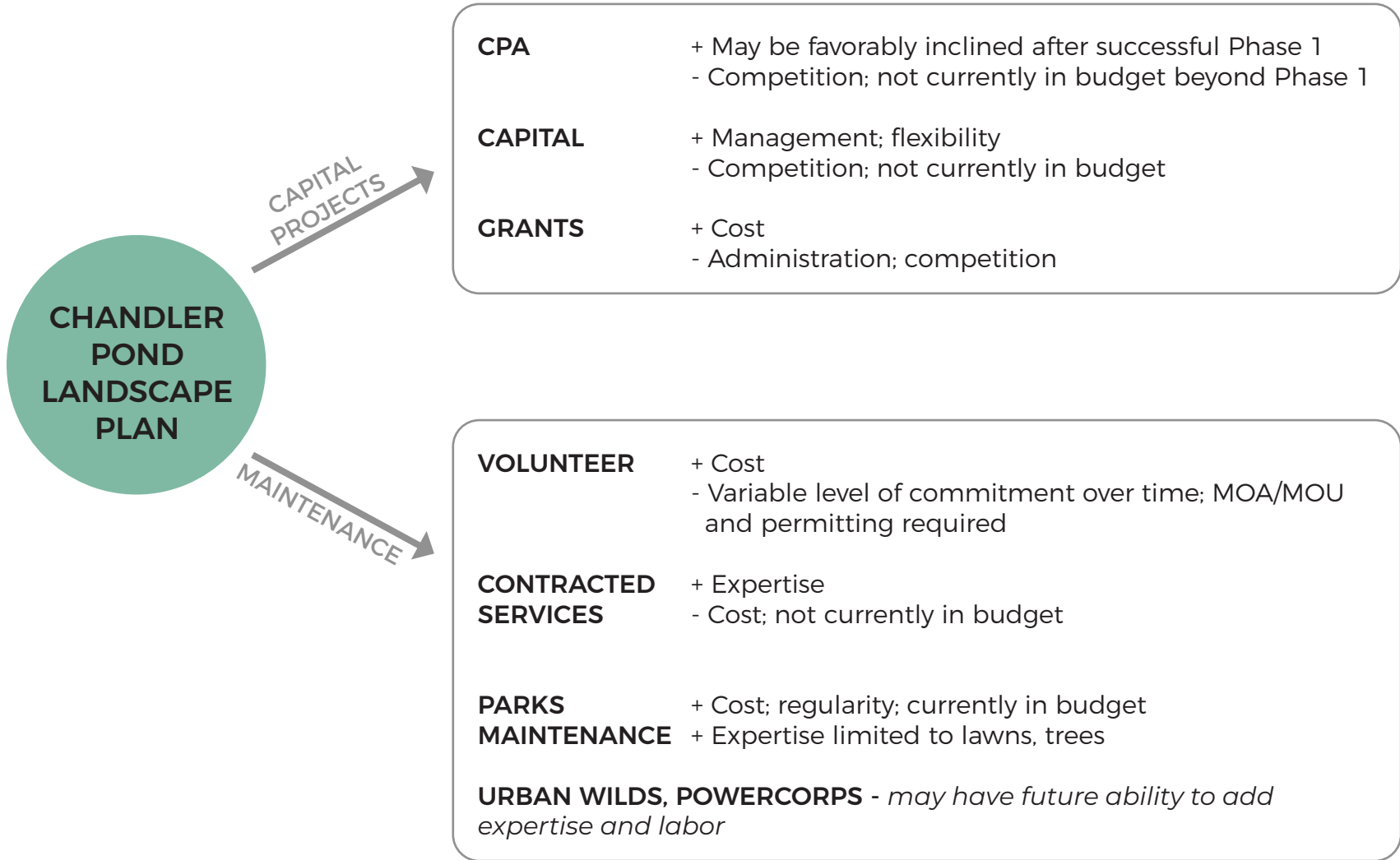
## PHASE 1



- A** Remove solitary or small colonies of invasives; Gain back ground lost to aggressive invasive species
- B** Improve existing buffer by removing invasive species
- C** Repair erosion; Add new buffer areas
- D** Start treatment on long-term invasive management targets (e.g. knotweed) and large populations of mature invasive trees
- E** Construct two access points as pilot projects
- F** Conduct water quality testing to inform next phase
- G** Protect new/improved buffer with temporary fencing

# PHASE 1 - PLAN





# PATHWAY TO IMPLEMENTATION



# LISTENING & DISCUSSION

Help us build great parks.  
Let us know what matters to you.



# NEXT STEPS

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## PROVIDE COMMENTS

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Please send any additional comments to Amy Linné, amy.linne@boston.gov, by March 28, 2023

## CONSERVATION COMMISSION PERMITTING

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Hearing tentatively planned for May 3, 2023 for Phase 1 work

## VISIT PROJECT WEBSITE

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### WEB LINK:

*[boston.gov/chandler-pond](https://boston.gov/chandler-pond)*

Scan me with your phone's camera!





# THANK YOU!

See the project website for future updates.

BOS:  
**311**

For questions, maintenance requests or concerns regarding any of our parks contact 311



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Boston Parks and Recreation

