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MASSACHUSETTS DEPARTMENT OF  
CONSERVATION AND RECREATION

# Welcome!

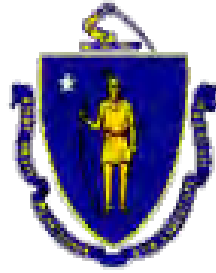
## Artesani Parking Lot

Herter Park, Boston, MA

Virtual Public Meeting

October 25th, 2023

6:00 PM to 7:30 PM



# Commonwealth of Massachusetts

Governor

**Maura T. Healey**

Lieutenant Governor

**Kimberly Driscoll**

Energy and Environmental Secretary

**Rebecca L. Tepper**

Department of Conservation and Recreation Commissioner

**Brian Arrigo**

## Meeting Logistics

- Two ways to ask questions during the Q&A portion of the meeting:
  - Raise your hand
  - Use chat feature
- You will have the opportunity to submit comments over the course of the next three weeks at:
  - DCR Public Comments  
<https://www.mass.gov/forms/dcr-public-comments>
- *Please note that this meeting will be recorded; the recording will be a public record*



MASSACHUSETTS DEPARTMENT OF  
CONSERVATION AND RECREATION

## DCR Mission

*To protect, promote, and enhance our  
Commonwealth of natural, cultural, and  
recreational resources for the well-being of all.*

# Agenda

1. Welcome
2. Purpose
3. Project Background and Process
4. Walkthrough of Design Layout
5. Everett Street Signal Update
6. Public Comment
7. Next Steps

# Team Introductions

## Department of Conservation & Recreation



**Project Manager**  
John Cavanaro, PE



**Deputy Chief Engineer**  
Jeffery Parenti, PE,  
PTOE, PTP, ENV SP



**Director of Transportation Engineering**  
Jason Santos, PE

## Consultant Team



**Project Manager**  
Bryan Zimolka, PE,  
ENV SP



**Resilience Specialist**  
Jessica Wala, PE,  
LEED AP, ND, ENV SP



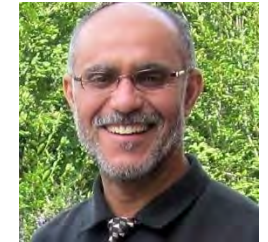
**Lead Transportation Designer**  
Kevin Ross, EIT, ENV SP



**Lead Landscape Architect**  
Danielle Desilets,  
RLA



**Electrical Engineer**  
Vincent A. Dilorio Jr. LC



**Geotechnical Engineer**  
Abdelmadjid M. Lahlaf,  
PhD, PE

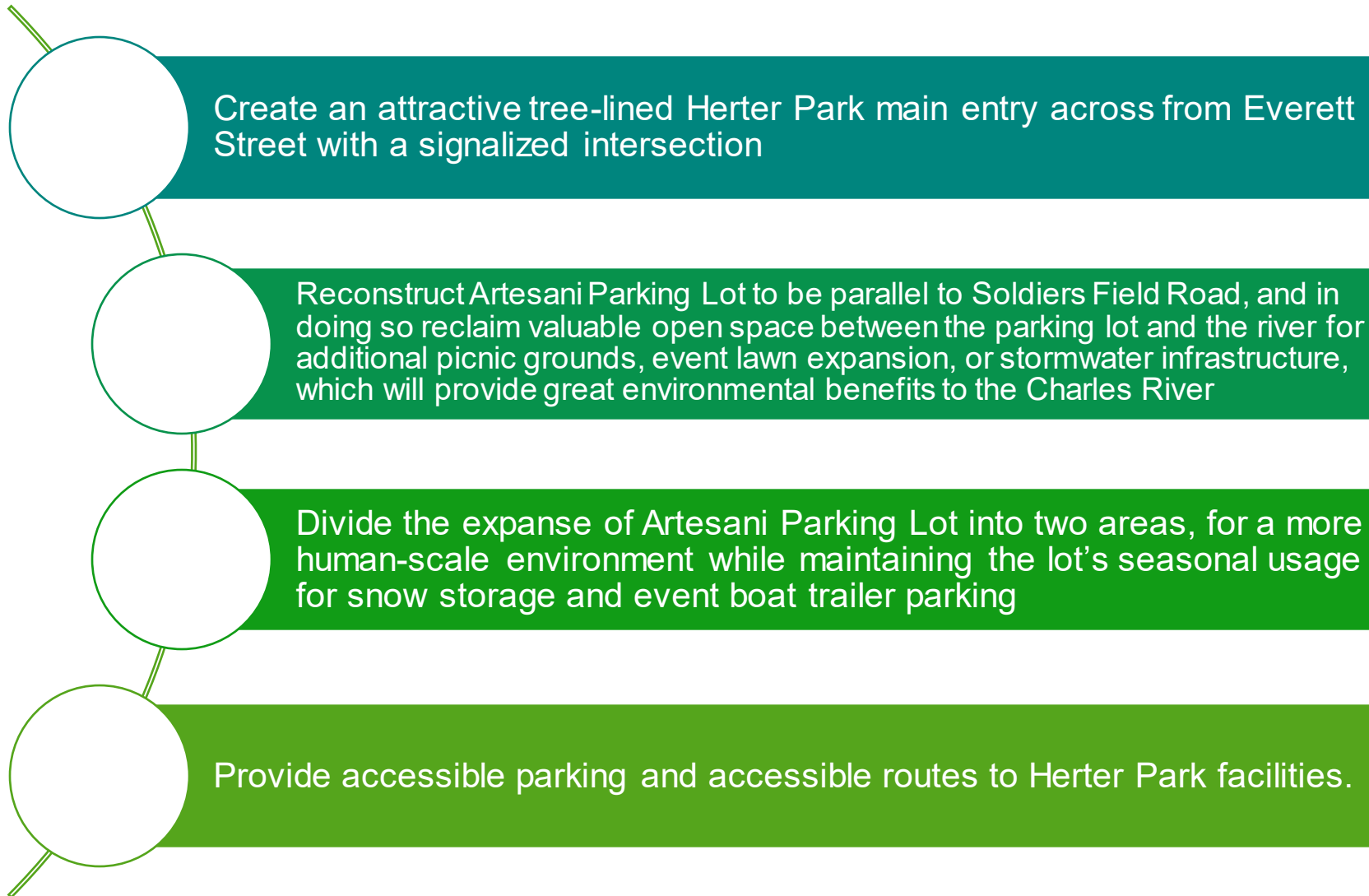




## DCR Project Overview – Herter Park Master Plan Goals



# DCR Project Overview – Artesani Parking Lot Project Goals





# Contents

Existing Site  
Conditions

Site Design

Stormwater  
and Landscape  
Design &  
Utilities Design



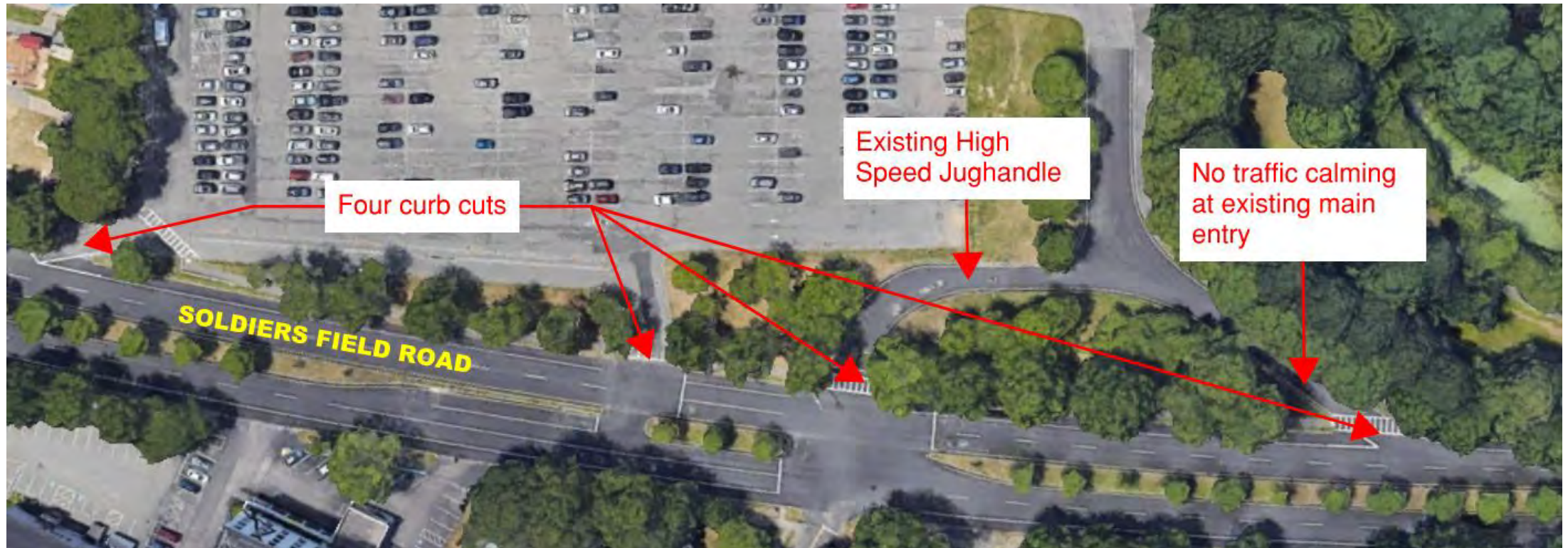
# Existing Site Conditions

## Observed Site Conditions

No Main Entry Signage

Poor Access Management

Insufficient Traffic Calming Measures



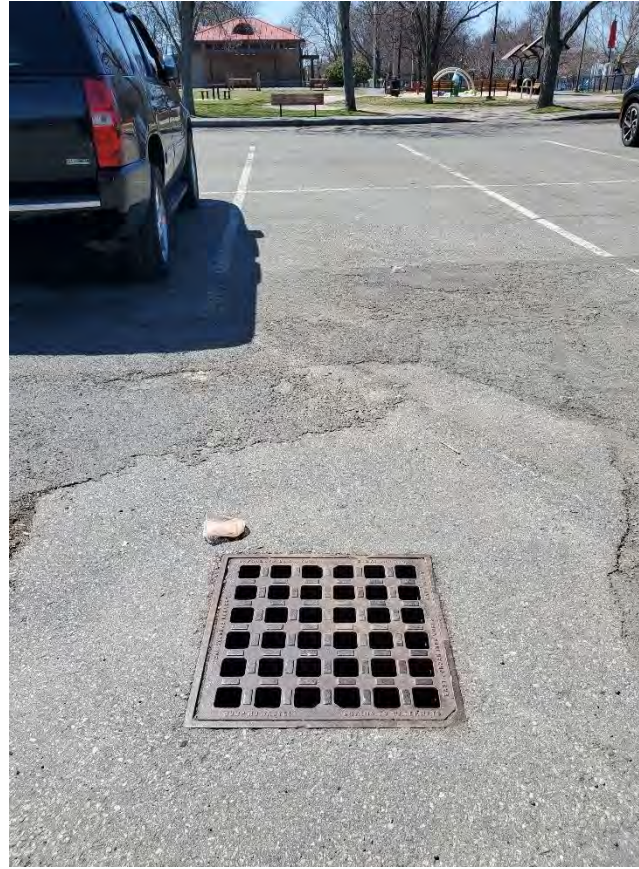


## Observed Site Conditions

Poor paving conditions



Poor drainage –  
2 drainage structures



Erosion Control Issues







# Site Design

# Relevant Master Plan Project Goals



**1** Enhance public access to recreation along the riverbank



**2** Improved stormwater management, water quality, and climate resiliency



**3** Improve visitor experience, wayfinding, and visitor comfort amenities



# Master Plan Design Directive

- A main entry that aligns with Everett Street
  - Location based on Everett Street Signal plans developed for Soldier's Field Road diet
- Enhance pedestrian and bicycle access and circulation
- More green space
- Improve stormwater management
- Improve electrical infrastructure
- Electrical vehicle accommodations
- Provide boat trailer access and storage during the Head of the Charles regatta

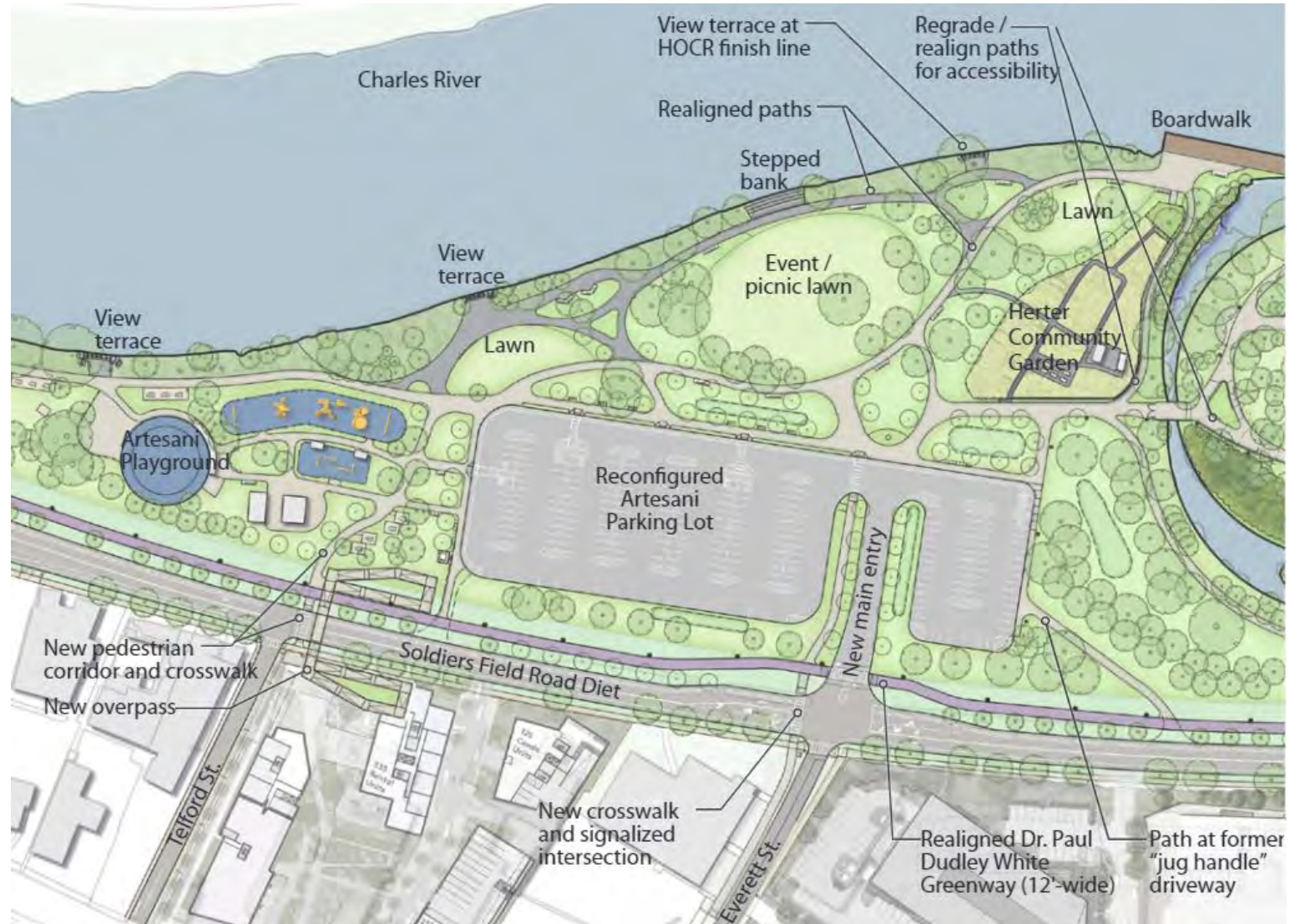
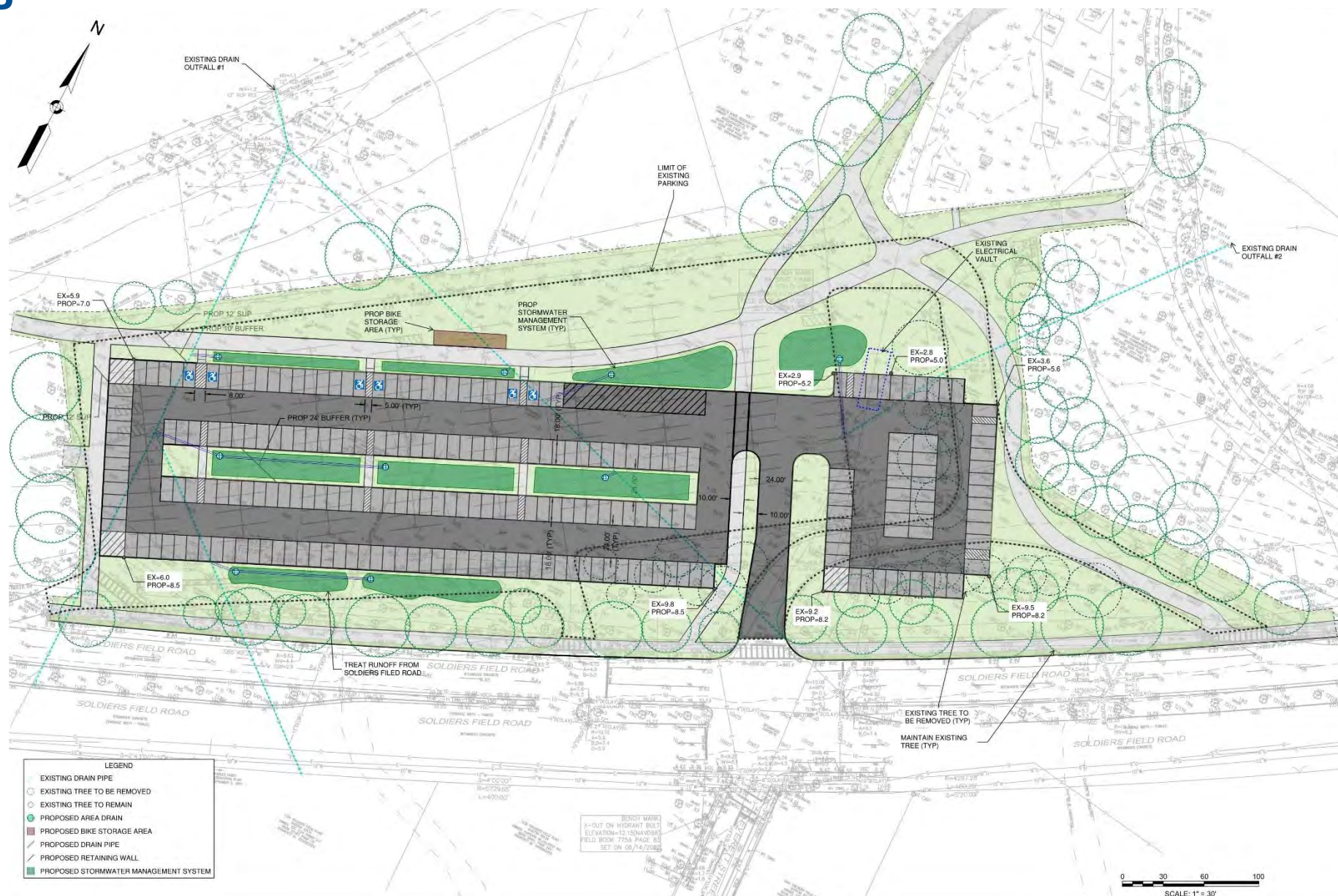




Figure 1

- Compact design
- 232 total spaces
- Split lot design
- Large center landscape island for stormwater management









## Bicycle and Pedestrian Accommodations





## Overall parking lot and EV spaces





# Electrical Accommodations

## Electric Vehicle accommodations

- Meet needs of current vehicles
- Design infrastructure for future EV regulations

## Burying overhead electrical lines

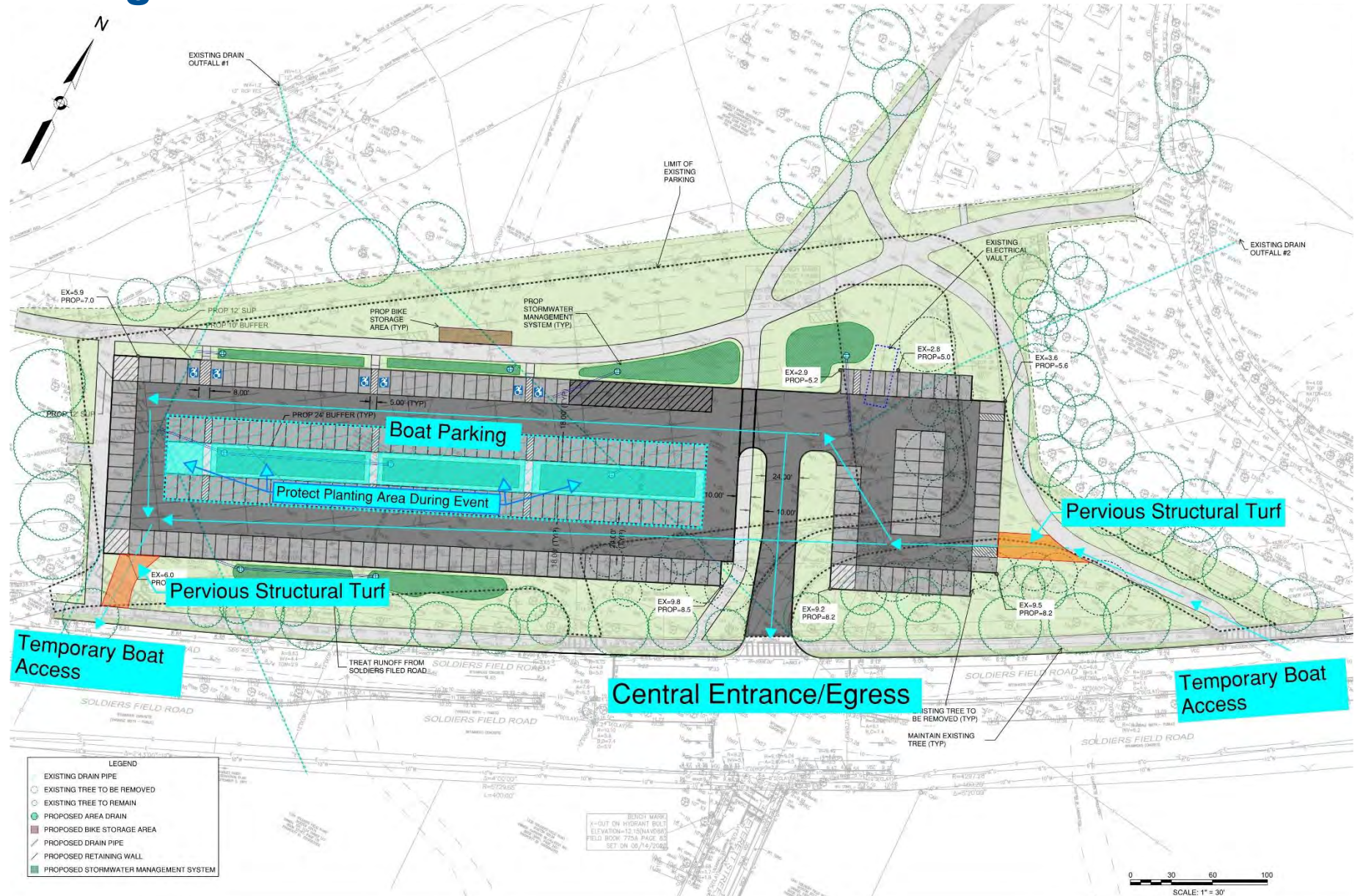
- Improved views and sightlines
- Improved resilience





# Regatta Boat Storage and Circulation

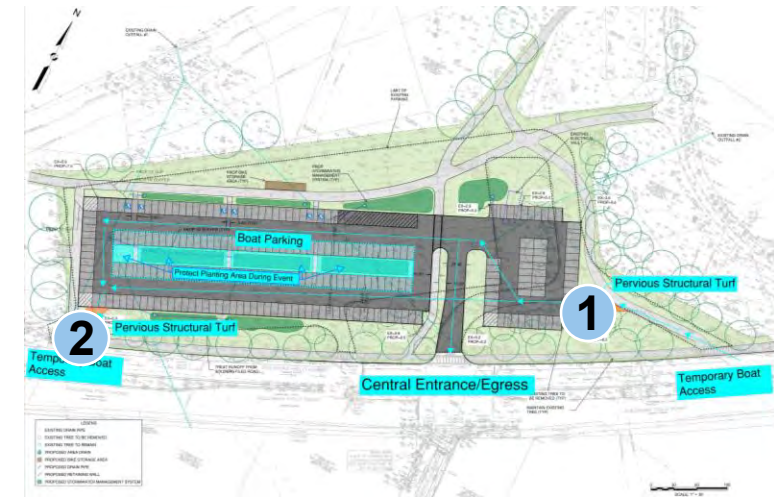
Temporary Boat Access






# Regatta Boat Storage and Circulation

- Gate entrances
  - Can abut parking
  - Will deter daily vehicle entry
  - Signage will compliment the gates to indicate no access



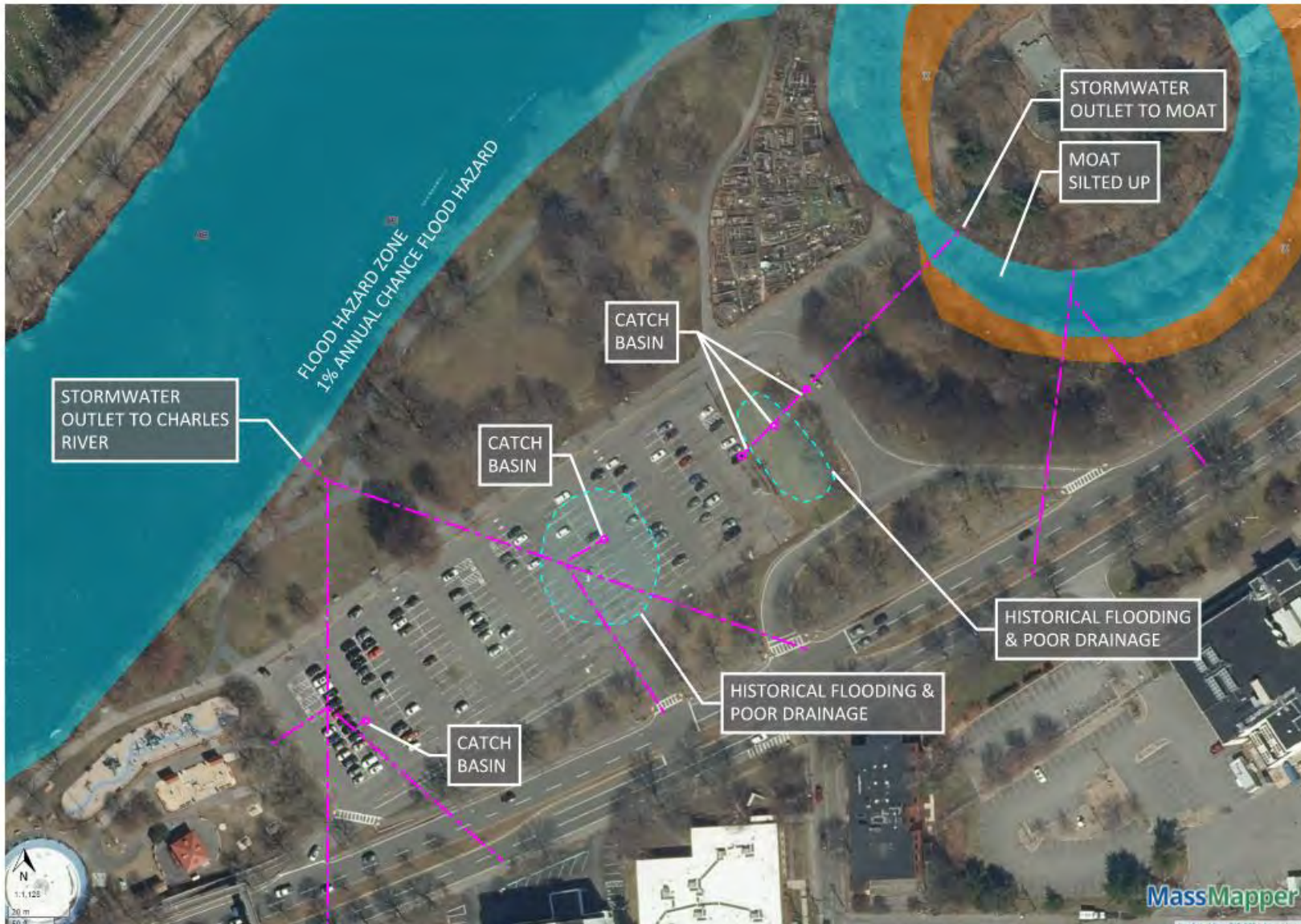




# Stormwater and Landscape Design & Utilities Design



# Current Day Flood & Drainage Issues



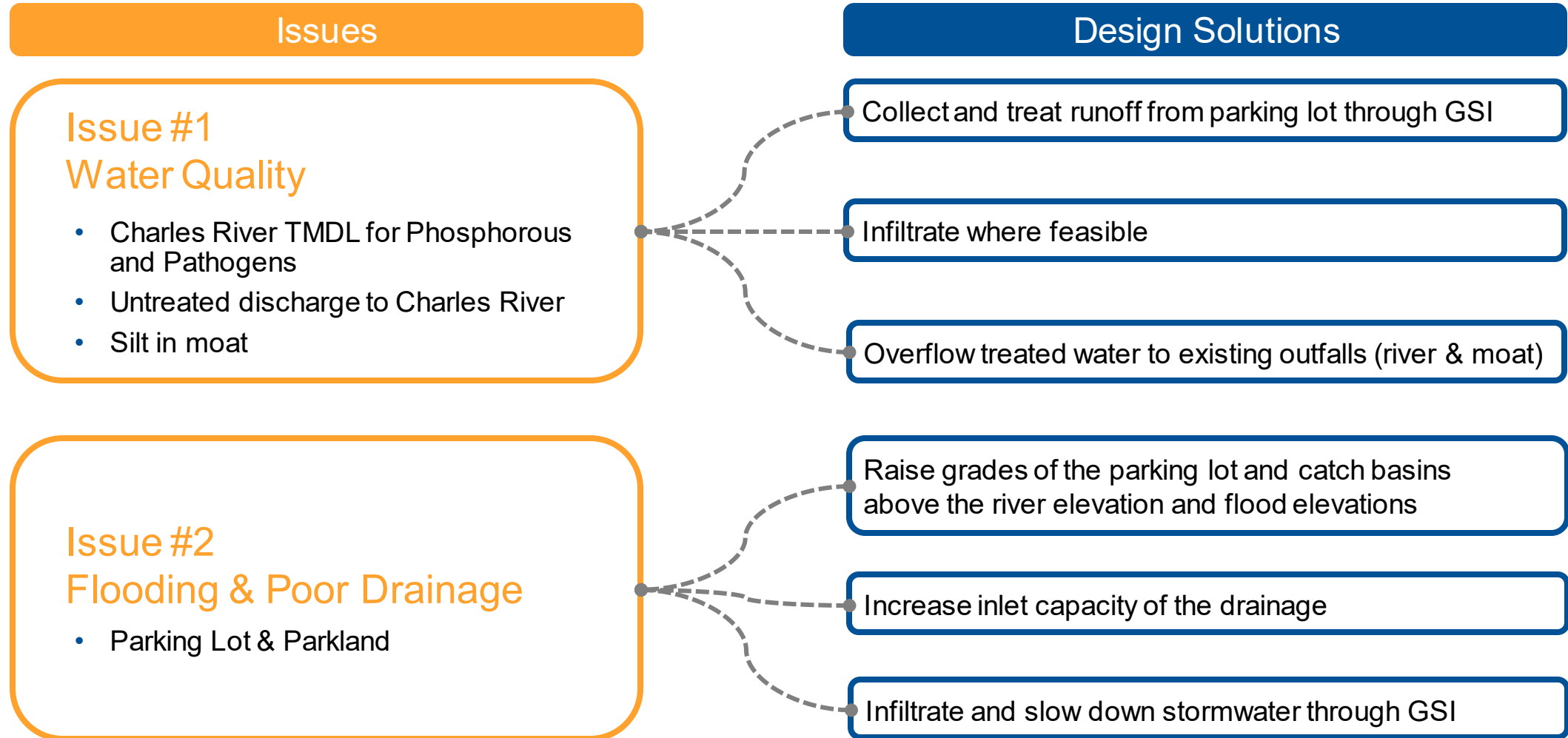
## Parking Lot Flooding

Ponding at parking lot low points, drainage system is surcharged

## Moat Sedimentation

Discharge of Untreated Stormwater to Charles River

# Stormwater Management Design





# Stormwater Management Design

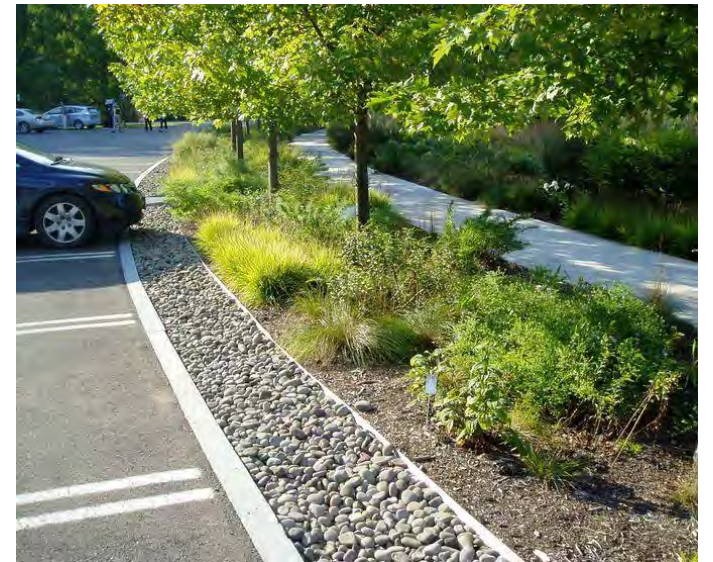
Design Solution: Collect, treat, infiltrate and slow down stormwater through Green Stormwater Infrastructure



Infiltration Basin



Bioretention Basin



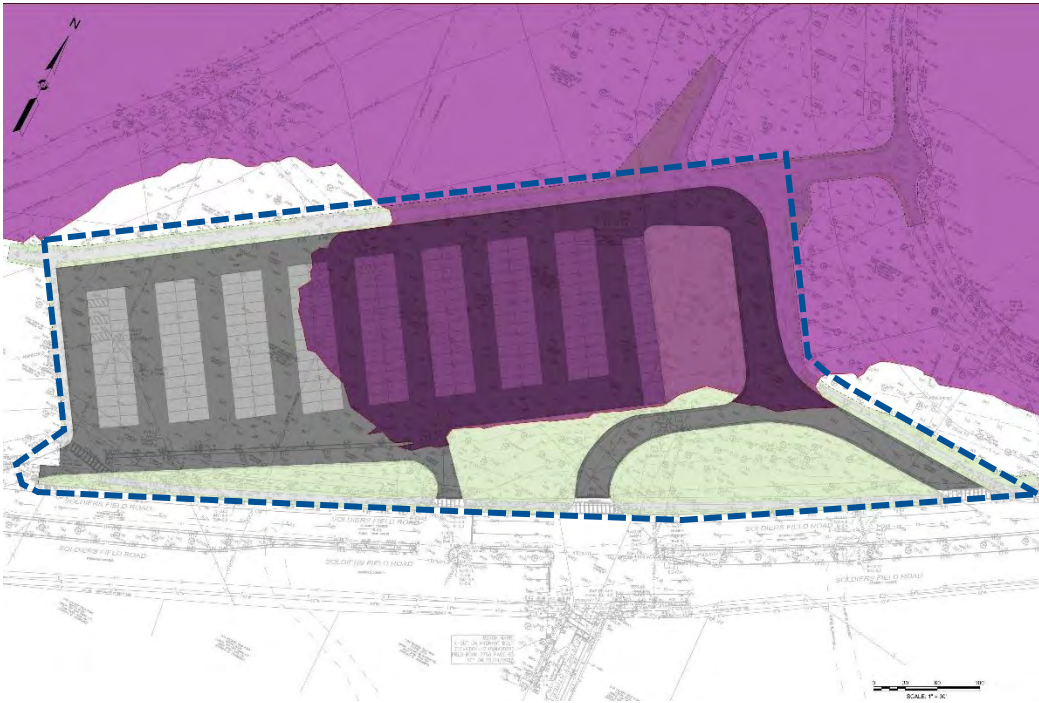
Vegetated Swale



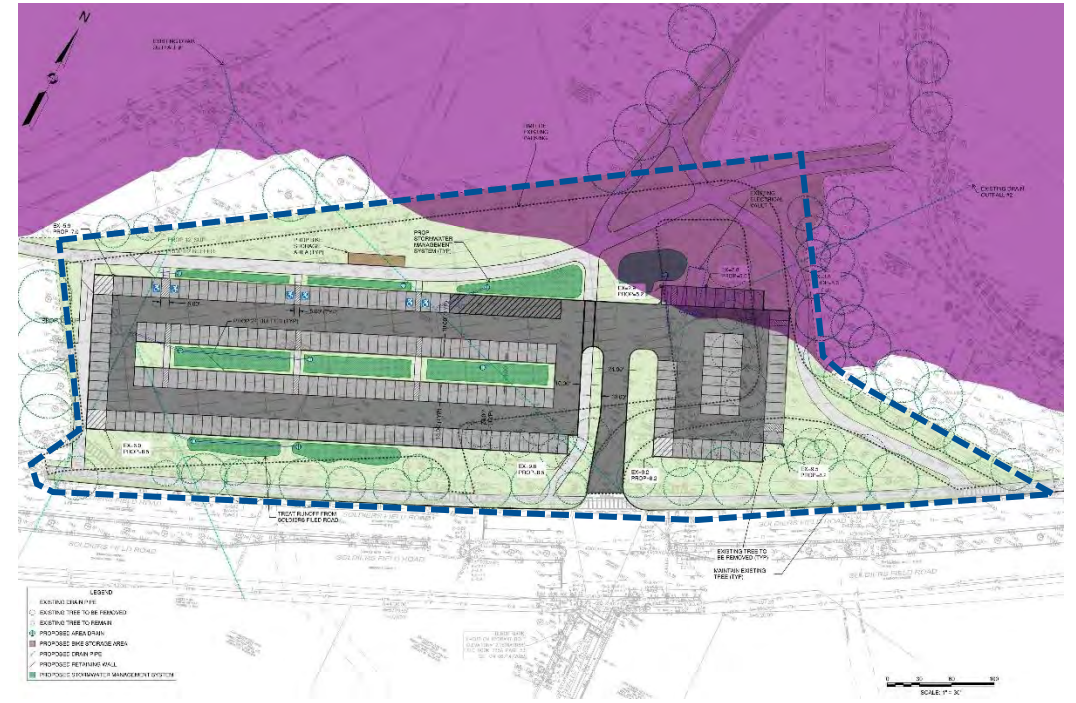
# Flood & Climate Change Resilience

Projected Flood Conditions for 5-year Storm Event in 2050:

## Existing Parking Lot



## Proposed Parking Lot Design



Elevating the parking lot can efficiently reduce the current & future flooding through 2050.



# Potential Plant Palette – Roadside Trees & Shrubs

<u>Botanical name</u>	<u>Common name</u>
<u>Trees</u>	
<i>Acer rubrum</i>	Red maple
<i>Amelanchier canadensis</i>	Shadblow serviceberry
<i>Platanus occidentalis</i>	Sycamore
<i>Quercus bicolor</i>	Swamp white oak
<i>Quercus rubra</i>	Northern red oak
<i>Ulmus americana</i> (variety)	American elm

<u>Shrubs</u>	
<i>Alnus incana</i>	Speckled alder
<i>Aronia arbutifolia</i>	Red chokeberry
<i>Cephalanthus americanus</i>	Buttonbush
<i>Clethra alnifolia</i>	Sweet pepperbush
<i>Cornus amomum</i>	Silky dogwood
<i>Ilex glabra</i>	Inkberry
<i>Ilex verticillata</i>	Winterberry
<i>Lindera benzoin</i>	Common spicebush
<i>Sambucus canadensis</i>	Common elderberry
<i>Viburnum dentatum</i>	Arrowwood
<i>Viburnum trilobum</i>	American cranberrybush





# Potential Plant Palette – Bioretention Basins

<u>Botanical name</u>	<u>Common name</u>
<b>Herbaceous plants</b>	
<i>Andropogon gerardii</i>	Big bluestem
<i>Asclepias incarnata</i>	Swamp milkweed
<i>Asclepias tuberosa</i>	Butterflyweed
<i>Aster novae-angliae</i>	New England aster
<i>Calamagrostis canadensis</i>	Blue joint grass
<i>Carex lupulina</i>	Hop sedge
<i>Elymus riparius</i>	Riverbank wild rye
<i>Elymus virginicus</i>	Virginia wild rye
<i>Eupatorium maculatum</i>	Joe-pye weed
<i>Eupatorium perfoliatum</i>	Boneset
<i>Euthamia graminifolia</i>	Grass-leaved goldenrod
<i>Iris versicolor</i>	Blue flag iris
<i>Juncus tenuis</i>	Path rush
<i>Panicum virgatum</i>	Switchgrass
<i>Schizachyrium scoparium</i>	Little bluestem
<i>Solidago spp.</i>	Goldenrod
<i>Verbena hastata</i>	Blue vervain
<i>Veronia noveboracensis</i>	New York ironweed





# Proposed Site Lighting

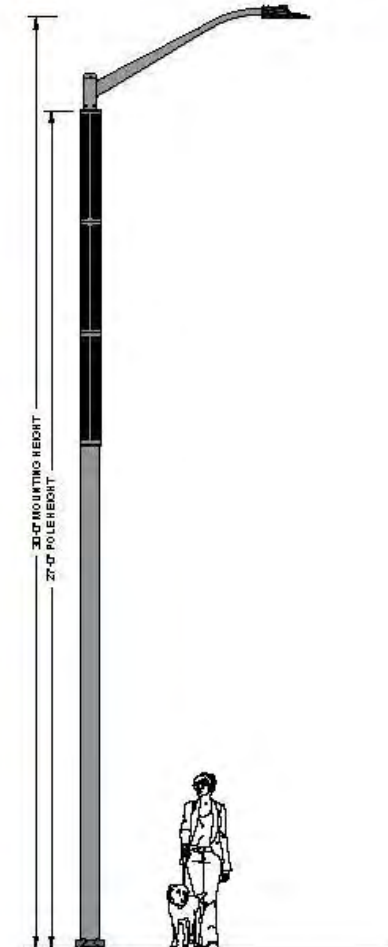


DCR Standard lighting fixture for non-historic parking lots & parkways:

- LEOTEK ARIETA® 18 Architectural LED Area Luminaire
- Potential for solar pole using cylindrical solar collectors



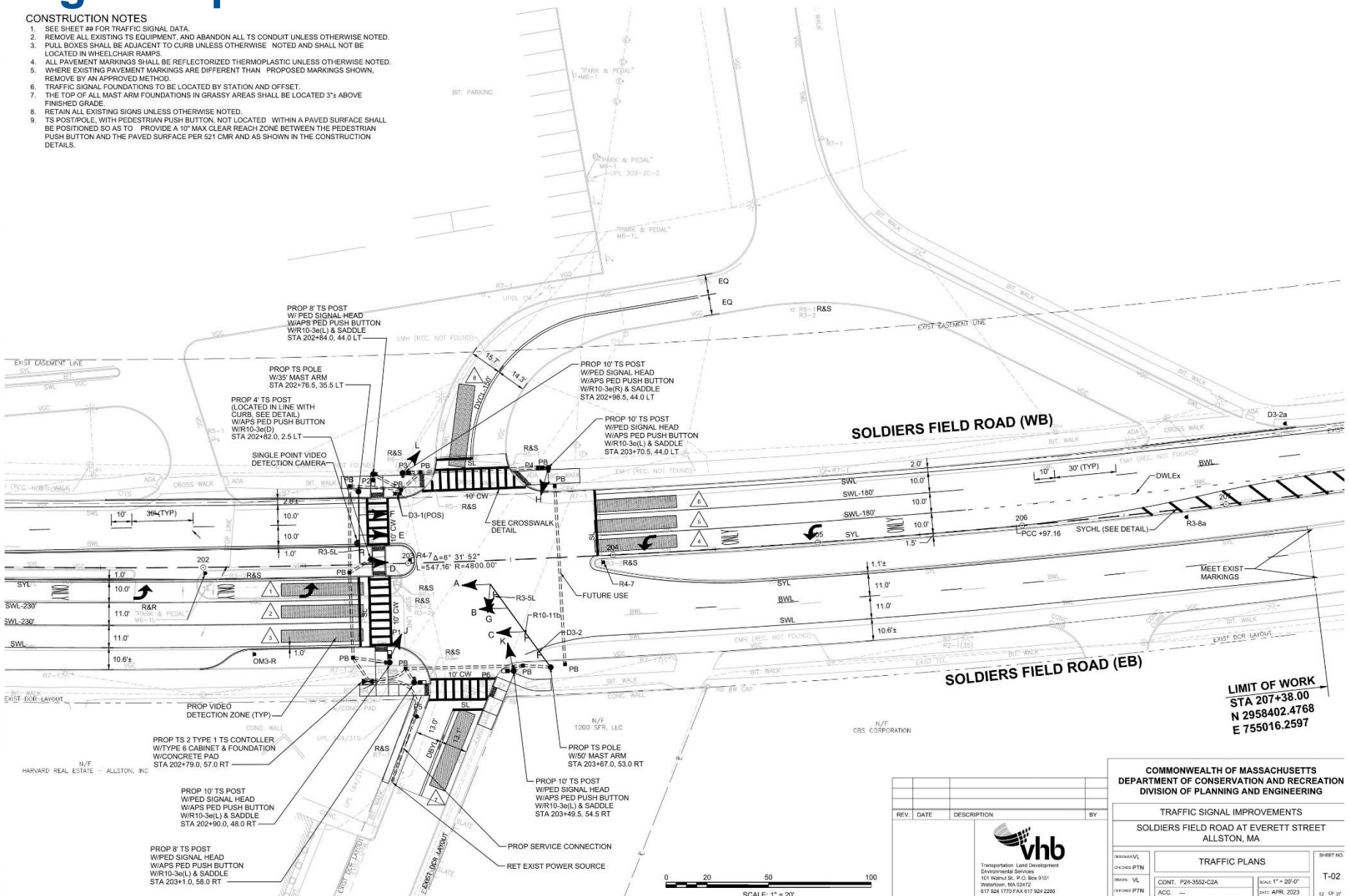
*Solar-powered Light Assembly Sketch*



# Everett Street Signal Update

## CONSTRUCTION NOTES

1. SEE SHEET ## FOR TRAFFIC SIGNAL DATA.
2. REMOVE ALL EXISTING TS EQUIPMENT, AND ABANDON ALL TS CONDUIT UNLESS OTHERWISE NOTED.
3. PULL BOXES SHALL BE ADJACENT TO CURB UNLESS OTHERWISE NOTED AND SHALL NOT BE LOCATED IN WHEELCHAIR RAMPS.
4. ALL PAVEMENT MARKINGS SHALL BE REFLECTORIZED THERMOPLASTIC UNLESS OTHERWISE NOTED.
5. WHERE EXISTING PAVEMENT MARKINGS ARE DIFFERENT THAN PROPOSED MARKINGS SHOWN, REMOVE BY AN APPROVED METHOD.
6. TRAFFIC SIGNAL FOUNDATIONS TO BE LOCATED BY STATION AND OFFSET.
7. THE TOP OF ALL MAST ARM FOUNDATIONS IN GRASSY AREAS SHALL BE LOCATED 3" ABOVE FINISHED GRADE.
8. RETAIN ALL EXISTING SIGNS UNLESS OTHERWISE NOTED.
9. TS POST/POLE, WITH PEDESTRIAN PUSH BUTTON, NOT LOCATED WITHIN A PAVED SURFACE SHALL BE POSITIONED SO AS TO PROVIDE A 10' MAX CLEAR REACH ZONE BETWEEN THE PEDESTRIAN PUSH BUTTON AND THE PAVED SURFACE PER S21 CMR AND AS SHOWN IN THE CONSTRUCTION DETAILS.



LIMIT OF WORK  
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E 755016.2597

REV.	DATE	DESCRIPTION	BY

COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF CONSERVATION AND RECREATION  
DIVISION OF PLANNING AND ENGINEERING

TRAFFIC SIGNAL IMPROVEMENTS  
SOLDIERS FIELD ROAD AT EVERETT STREET  
ALLSTON, MA

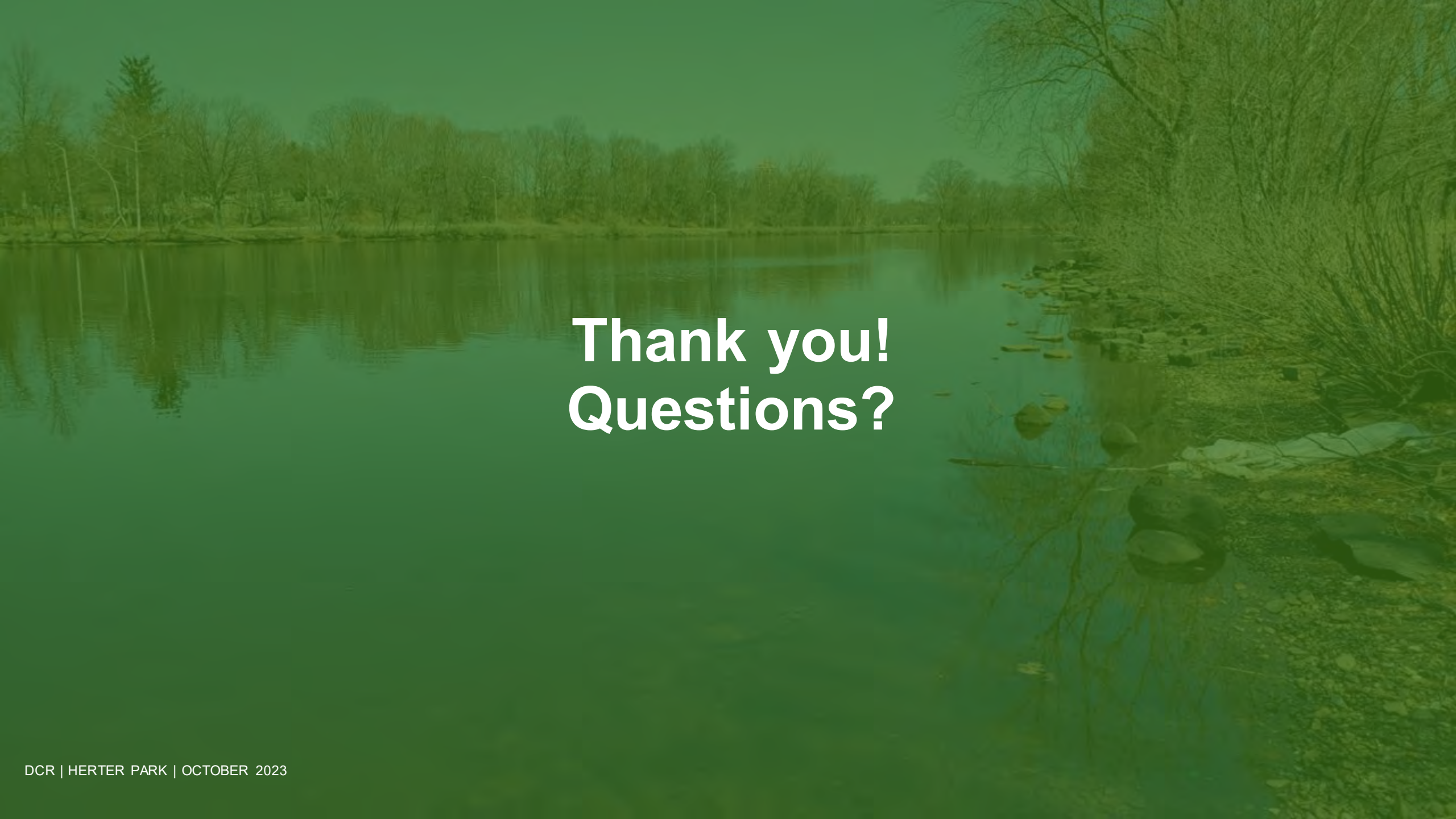
TRAFFIC PLANS

CONT. P24-3552-C2A  
ACC. —

SCALE 1" = 20'-0"  
DATE APR. 2023

SHEET NO.  
T-02  
12 OF 37



A serene landscape of a calm river or lake reflecting the surrounding trees and sky, with a green overlay. The text "Thank you! Questions?" is centered in white.

# Thank you! Questions?