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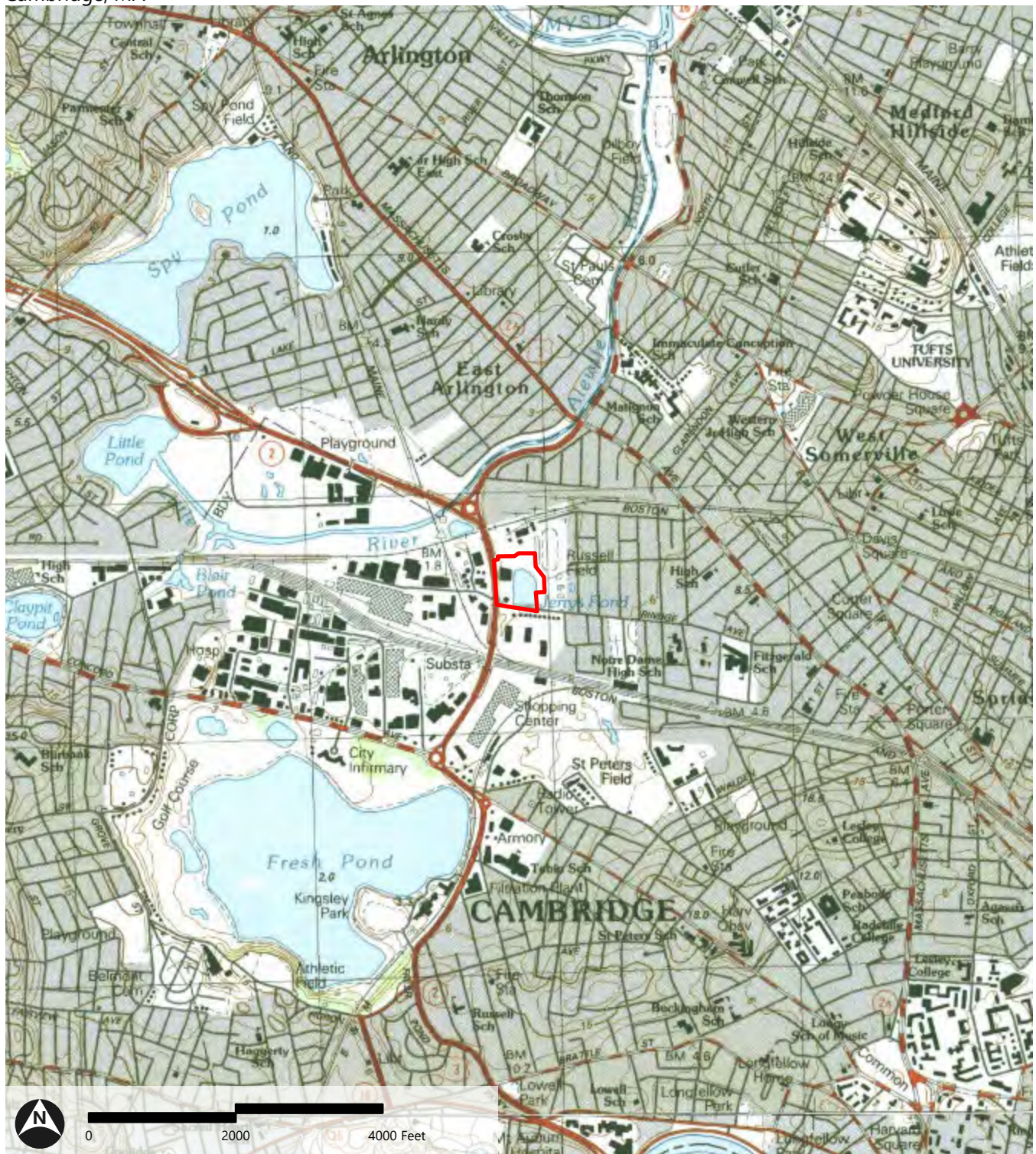
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Figure 1: USGS Site Location

Jerry's Pond
Cambridge, MA



 Project Area

Sources: VHB, MassGIS

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Figure 2: Aerial Overview

Jerry's Pond
Cambridge, MA



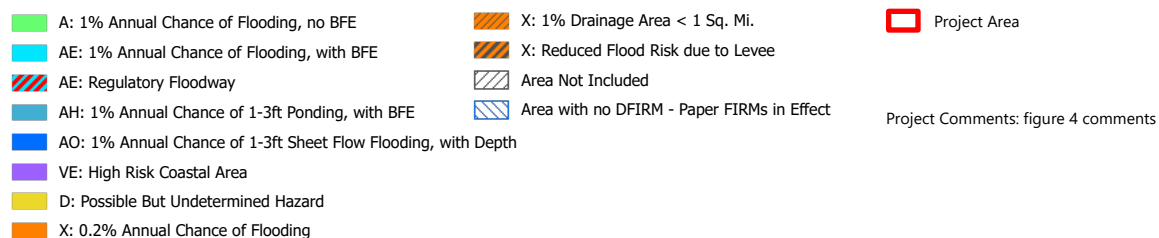
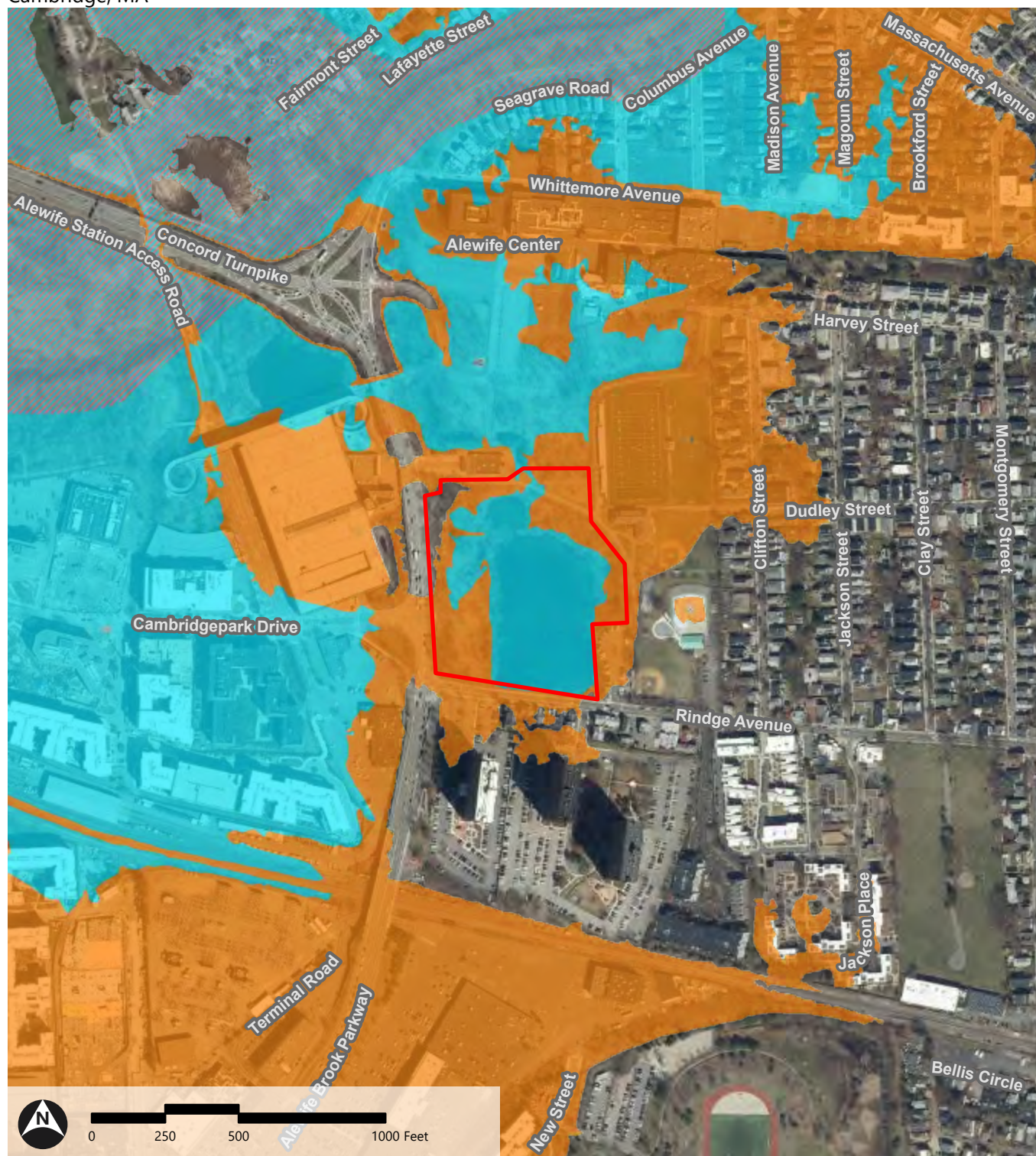
 Project Area

Sources: VHB, MassGIS

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Figure 3: FEMA Floodplain

Jerry's Pond
Cambridge, MA



Sources: VHB, MassGIS

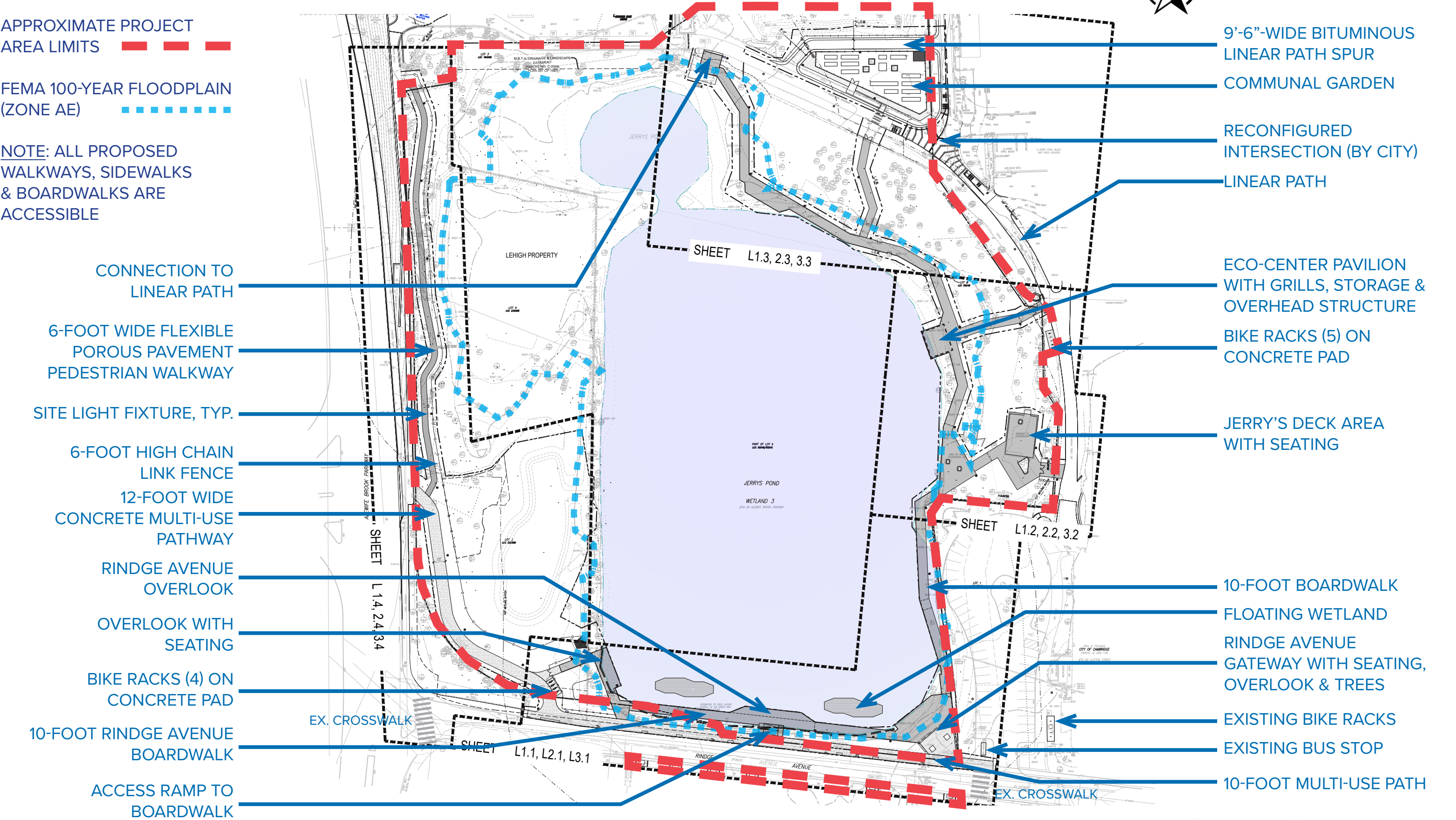
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ILLUSTRATIVE SITE PLAN

APPROXIMATE PROJECT
AREA LIMITS

FEMA 100-YEAR FLOODPLAIN
(ZONE AE)

NOTE: ALL PROPOSED
WALKWAYS, SIDEWALKS
& BOARDWALKS ARE
ACCESSIBLE






JERRY'S POND

CITY OF CAMBRIDGE
FLOODPLAIN OVERLAY SPECIAL PERMIT



WALKWAYS & BOARDWALKS

APPROXIMATE PROJECT
AREA LIMITS  






FEMA 100-YEAR FLOODPLAIN
(ZONE AE) 

NOTE: ALL PROPOSED
WALKWAYS, SIDEWALKS
& BOARDWALKS ARE
ACCESSIBLE





FIGURE 5



-  EXISTING PATH
-  WALKWAY OR BOARDWALK OUTSIDE OF GATE
-  WALKWAY OR BOARDWALK WITHIN GATE
-  GATE
-  GATE

FENCING LOCATIONS & TYPES

APPROXIMATE PROJECT
AREA LIMITS  





FEMA 100-YEAR FLOODPLAIN
(ZONE AE) 



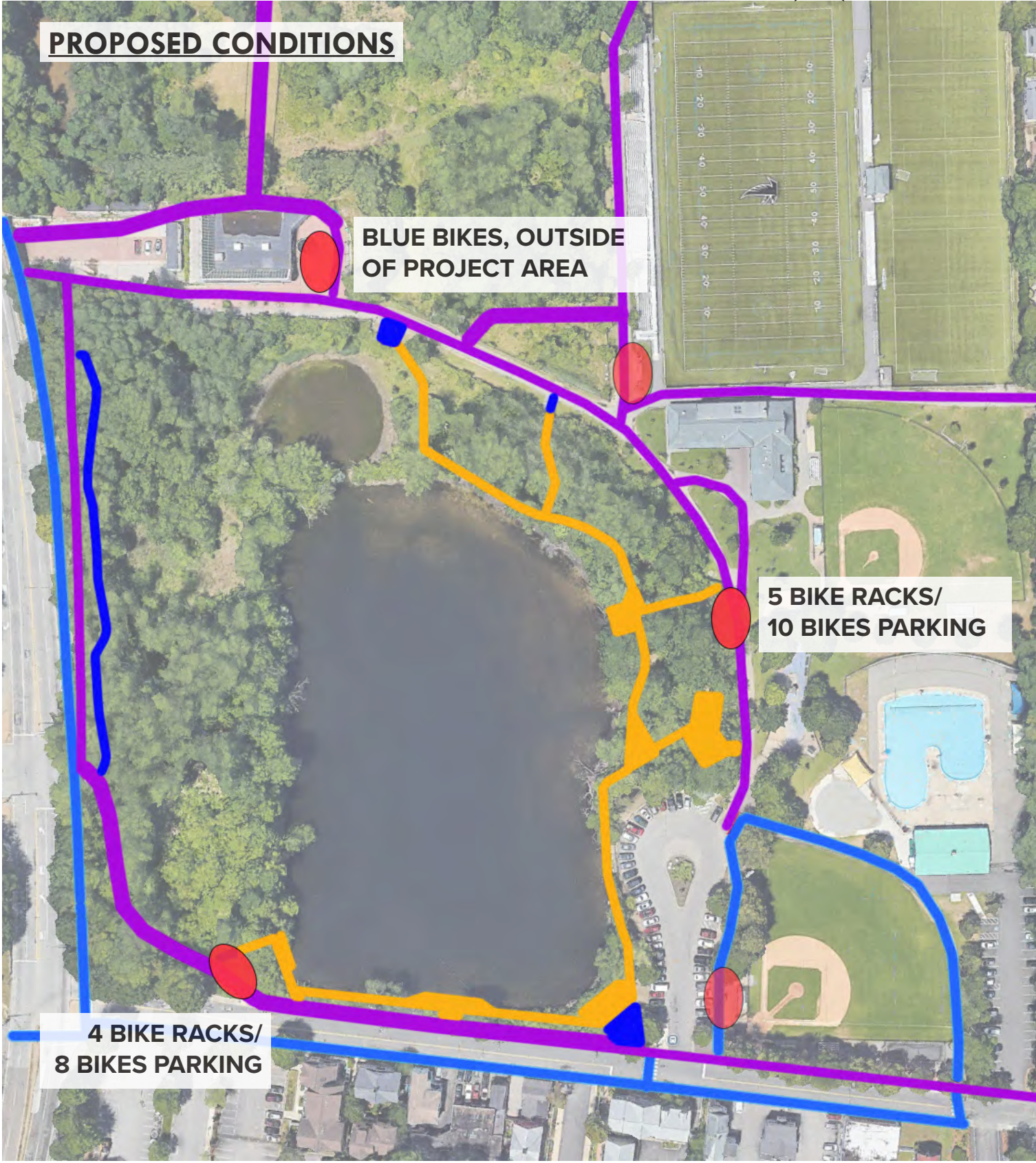
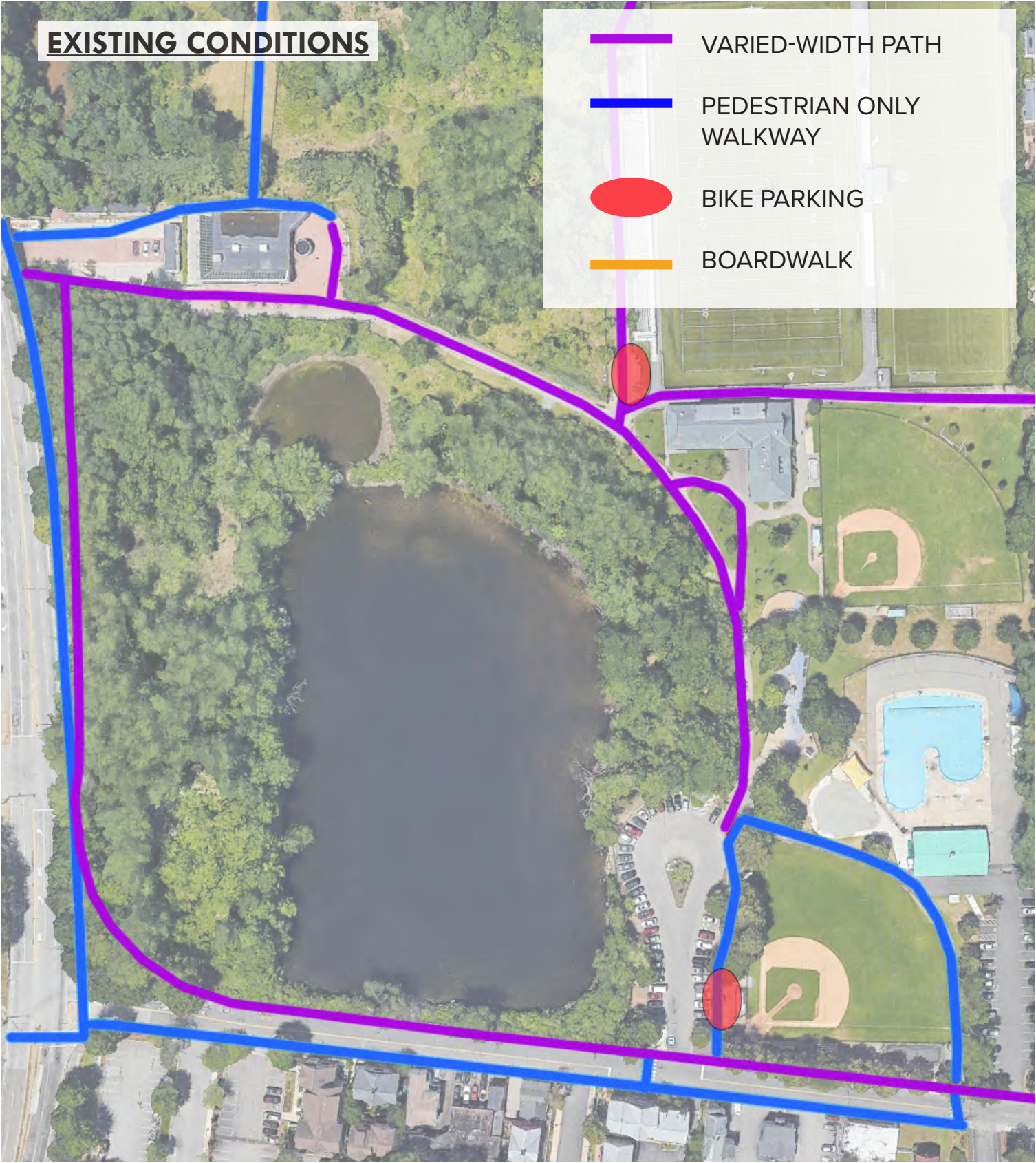
FIGURE 6



-  EXISTING CHAIN LINK FENCE TO BE REPAIRED
-  NEW CHAIN LINK FENCE
-  SPLIT RAIL FENCE

NOTE: FENCING BEING ADDED TO IQHQ PROPERTY ONLY, NOT CITY OR STATE LAND

CIRCULATION & BIKE PARKING

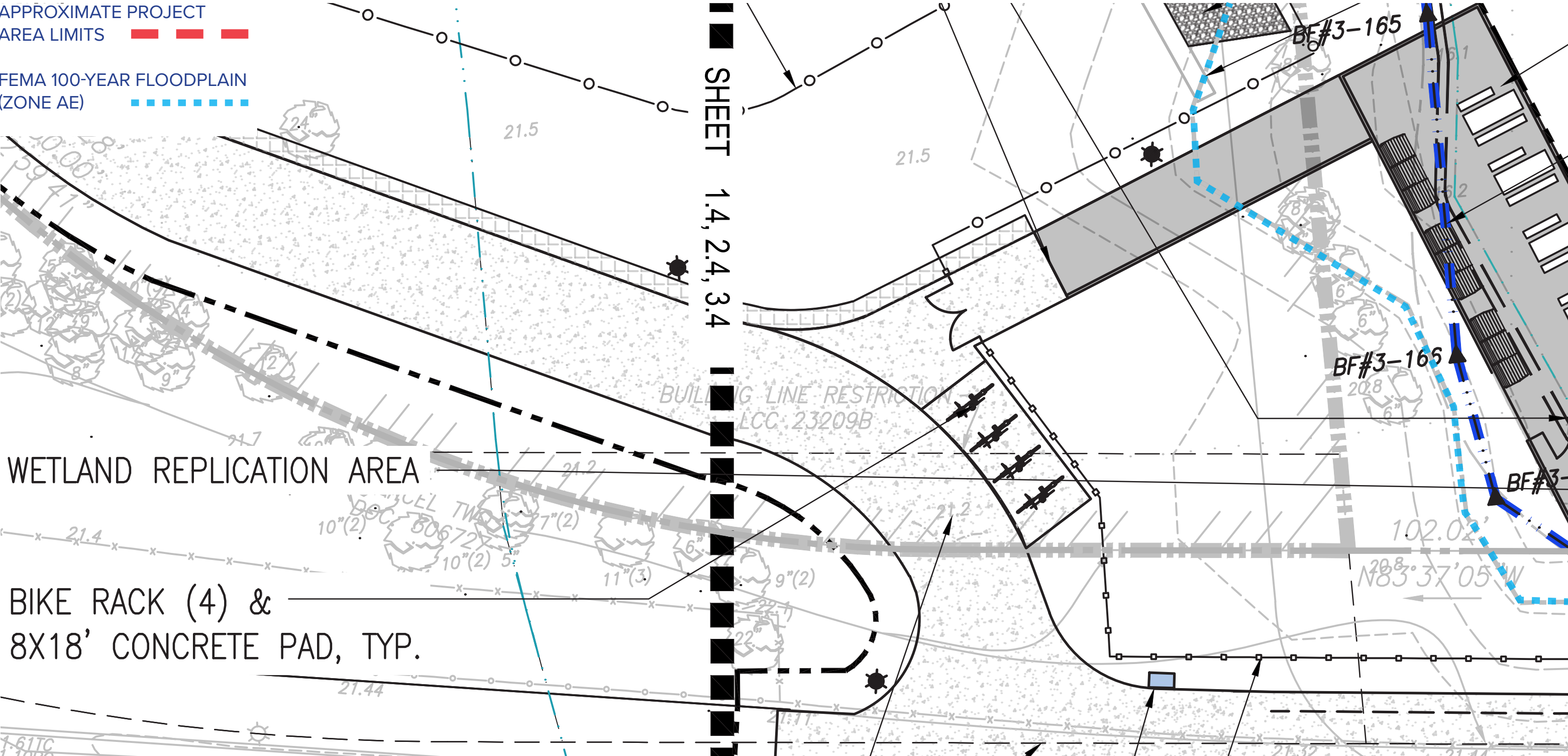


CIRCULATION & BIKE PARKING

FIGURE 7.2

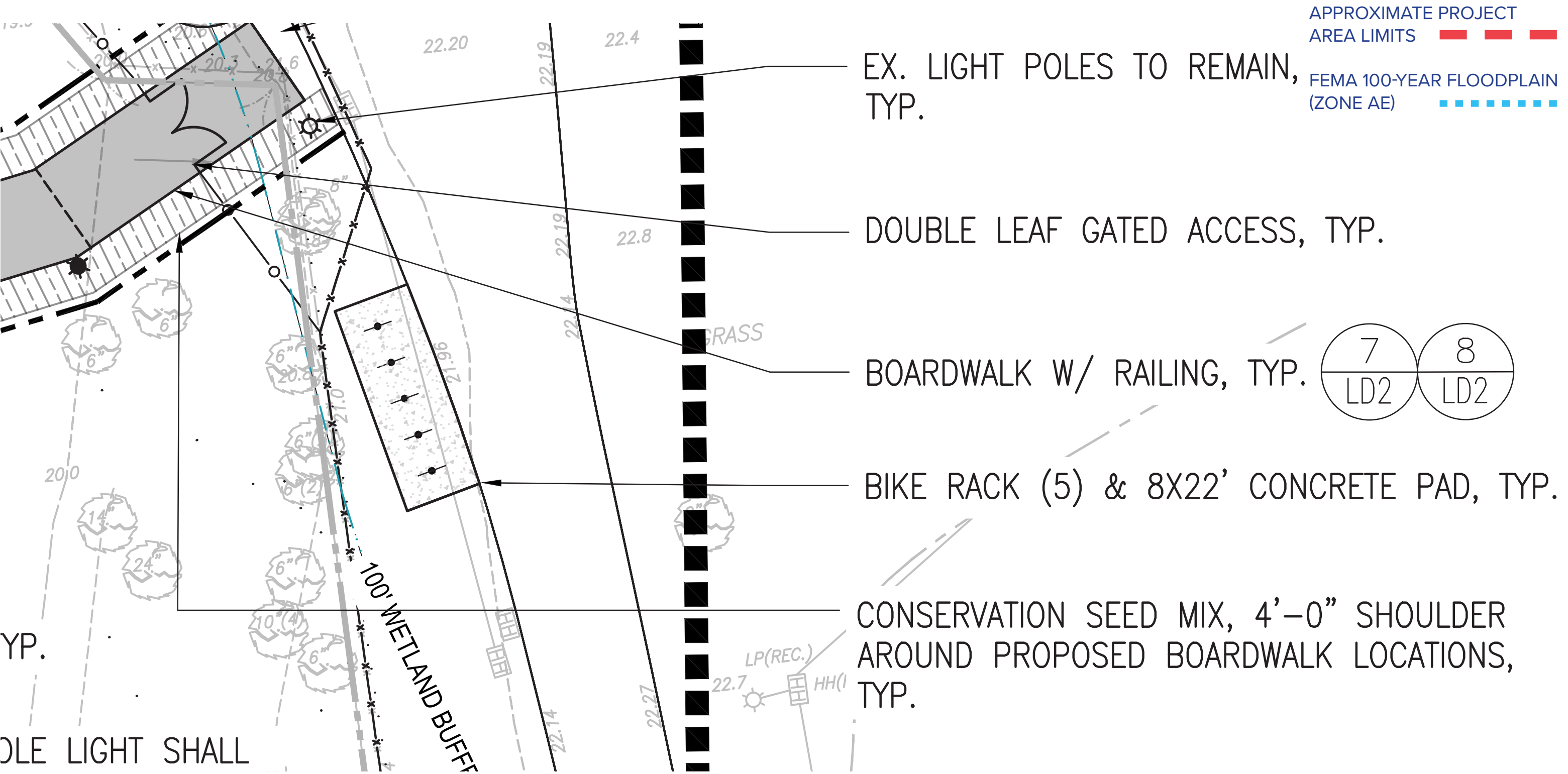
APPROXIMATE PROJECT
AREA LIMITS

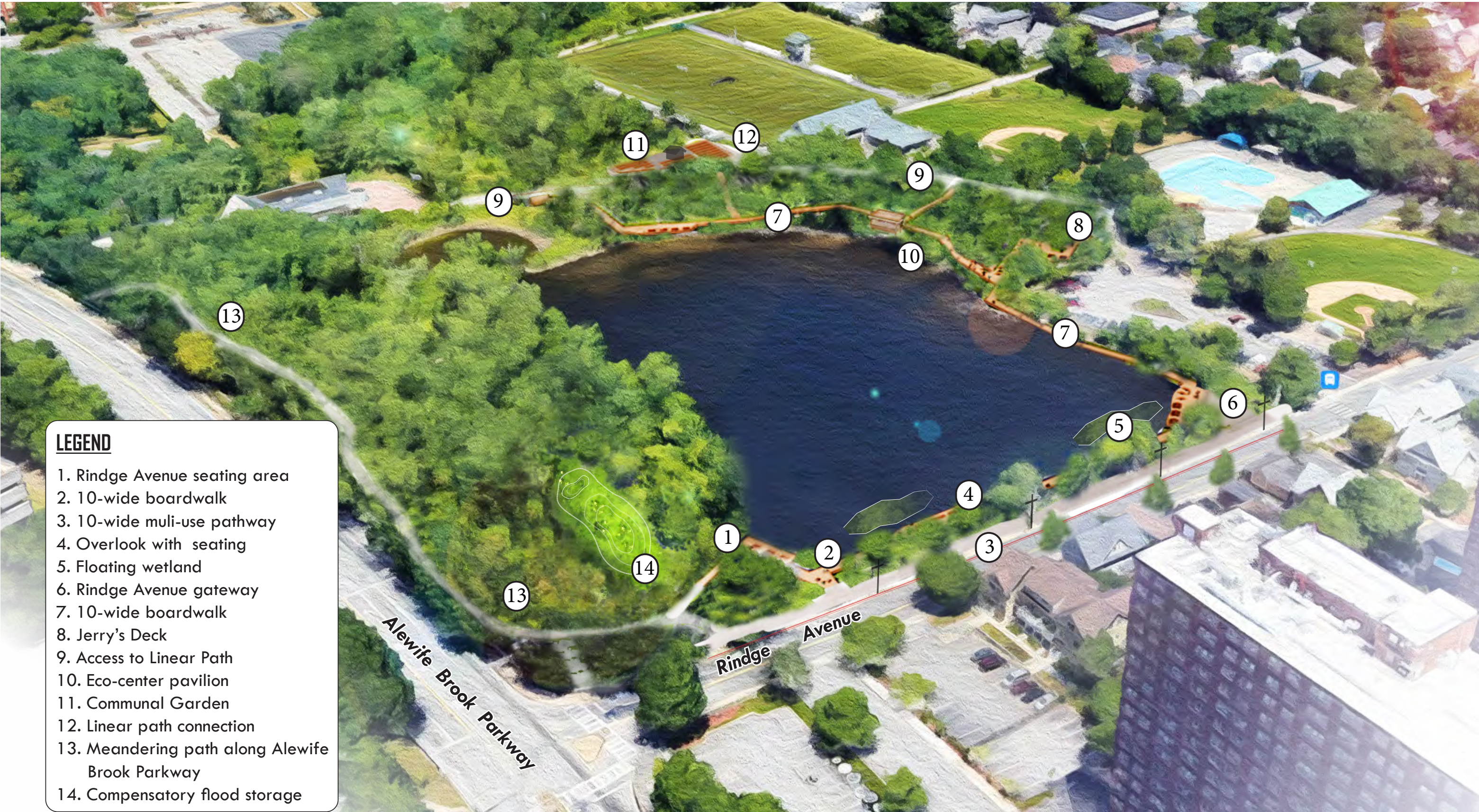
FEMA 100-YEAR FLOODPLAIN
(ZONE AE)



CIRCULATION & BIKE PARKING

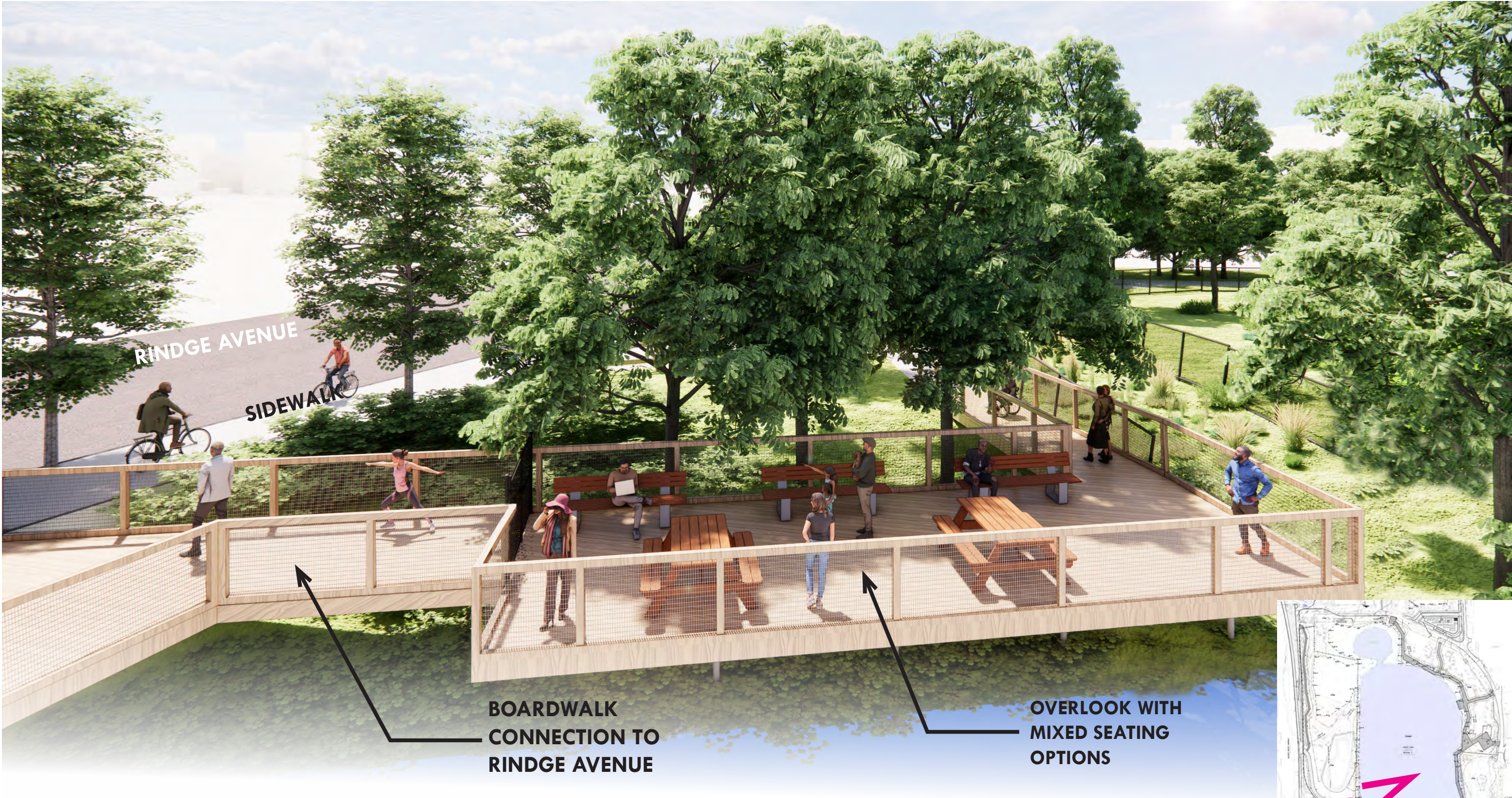
FIGURE 7.3



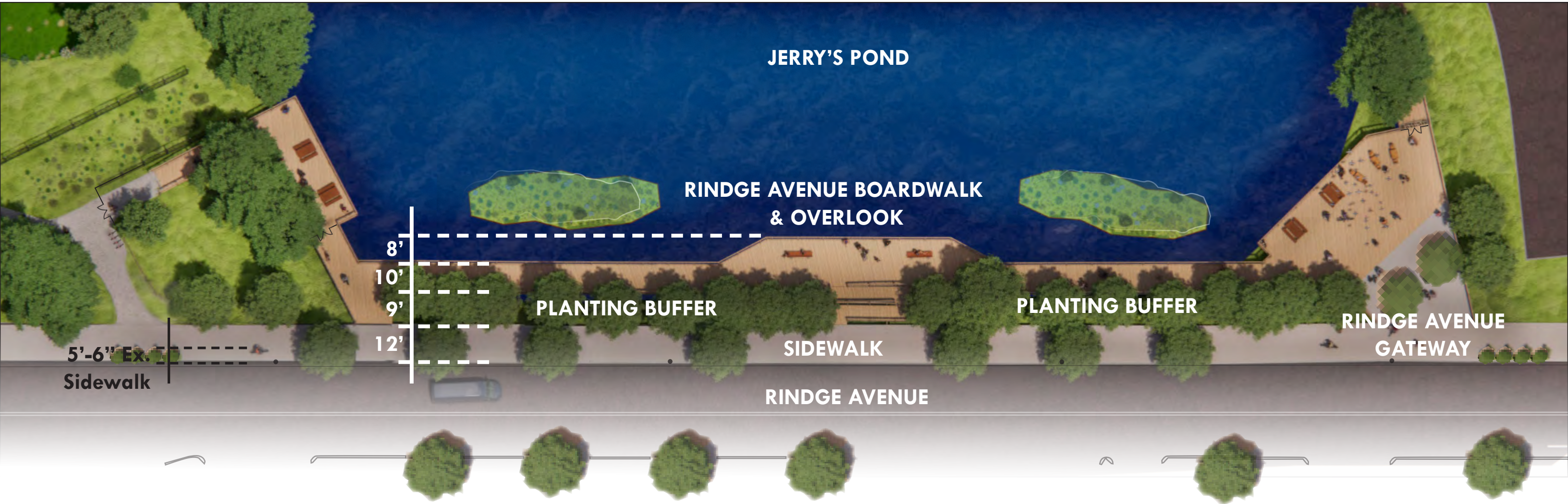


COMMUNITY GATHERING SPACE AT WEST END OF RINDGE AVENUE

FIGURE 8.2



- 33'-6" Feet of new public access & vegetation from Rindge Avenue curbline towards Jerry's Pond
- 300 Feet of universally accessible boardwalk (10 feet wide) paralleling Rindge Avenue
- Boardwalk is set low with vegetated buffer to provide separation from Rindge Avenue







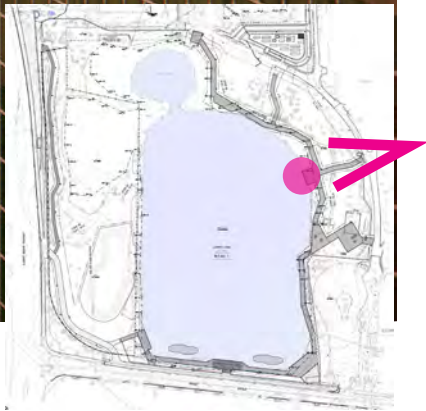






UNIVERSALLY ACCESSIBLE
10-FOOT WIDE
BOARDWALK









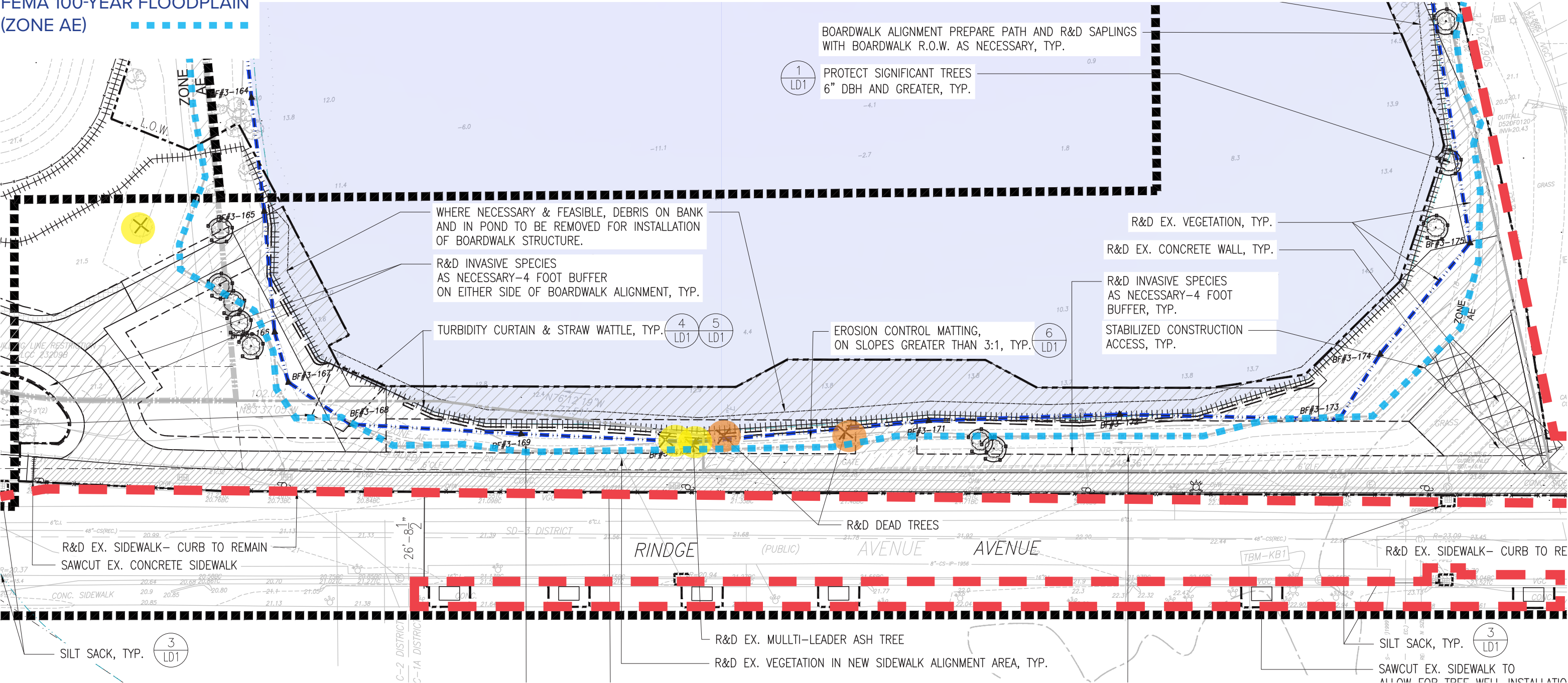
TREE REMOVALS ALONG RINDGE AVENUE (SHEET L1.1)



FIGURE 9

APPROXIMATE PROJECT
AREA LIMITS

FEMA 100-YEAR FLOODPLAIN
(ZONE AE)

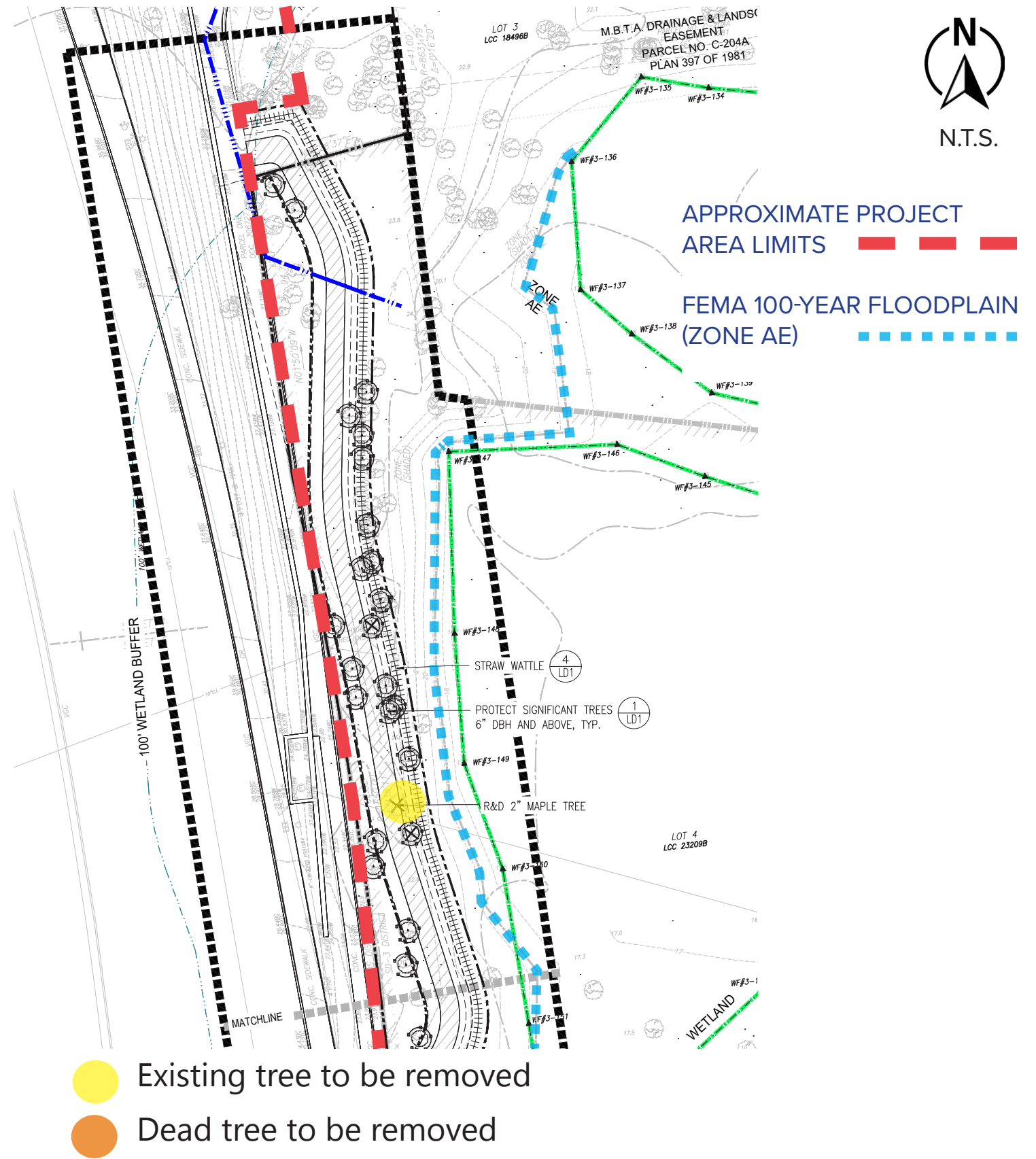
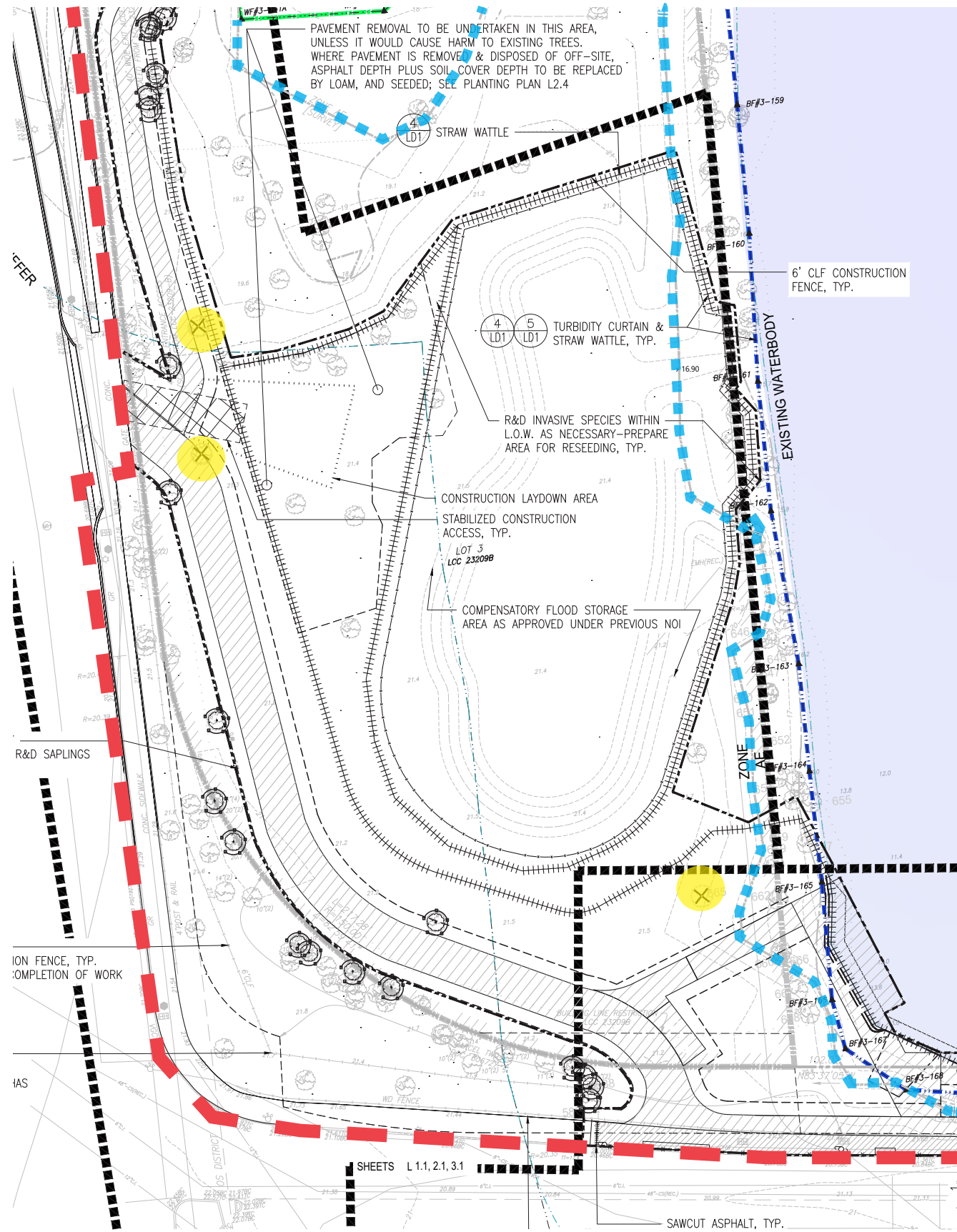


- Existing tree to be removed
- Dead tree to be removed

NOTE: The eastern ash tree along Rindge Avenue was tracked as two trees (based on the survey designation) for removal calculations.

TREE REMOVALS NEAR ALEWIFE BROOK PARKWAY (SHEET L1.4)

FIGURE 10



TREE PLANTING ALONG RINDGE AVENUE & TREE IMPACTS TABLE

FIGURE 11

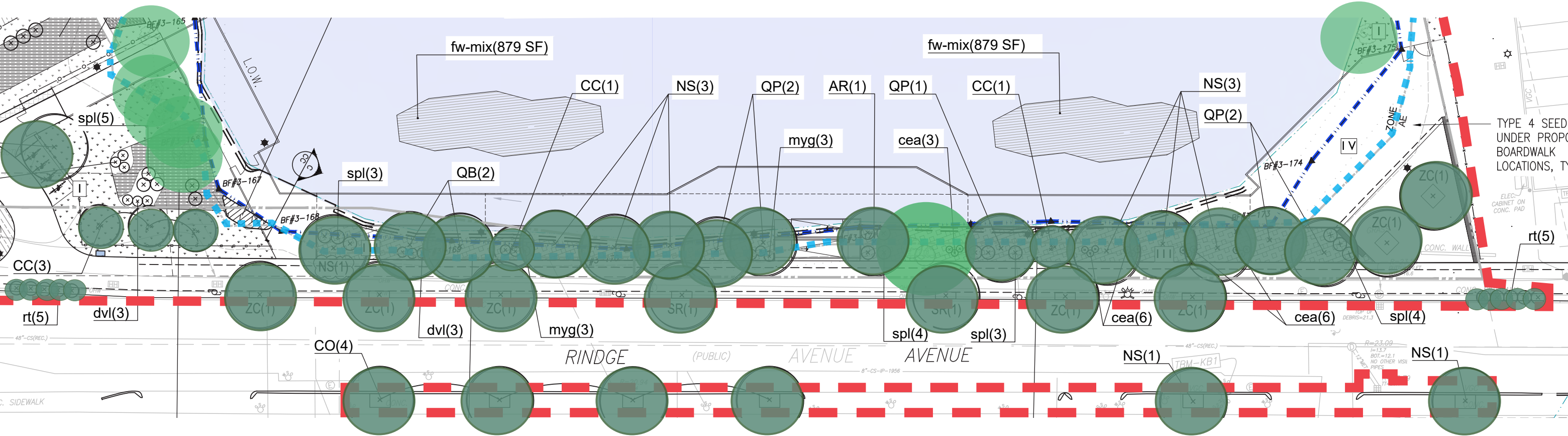
TREE IMPACTS		
	Quantity	Caliper inches
Removed tree greater than 6" DBH	6	86
Trees to be planted	51	217
Net new	45	131

Note the eastern ash tree was tracked as two trees (based on the survey designation) for removal calculations.

APPROXIMATE PROJECT
AREA LIMITS

FEMA 100-YEAR FLOODPLAIN
(ZONE AE)

- Existing tree
- Proposed tree



TREE PLANTING AT COMPENSATORY FLOOD STORAGE AREA & LIST OF TREE SPECIES PROPOSED

FIGURE 12



- Existing tree
- Proposed tree

APPROXIMATE PROJECT
AREA LIMITS

FEMA 100-YEAR FLOODPLAIN
(ZONE AE)



TREE SCHEDULE - RINDGE AVENUE BANK

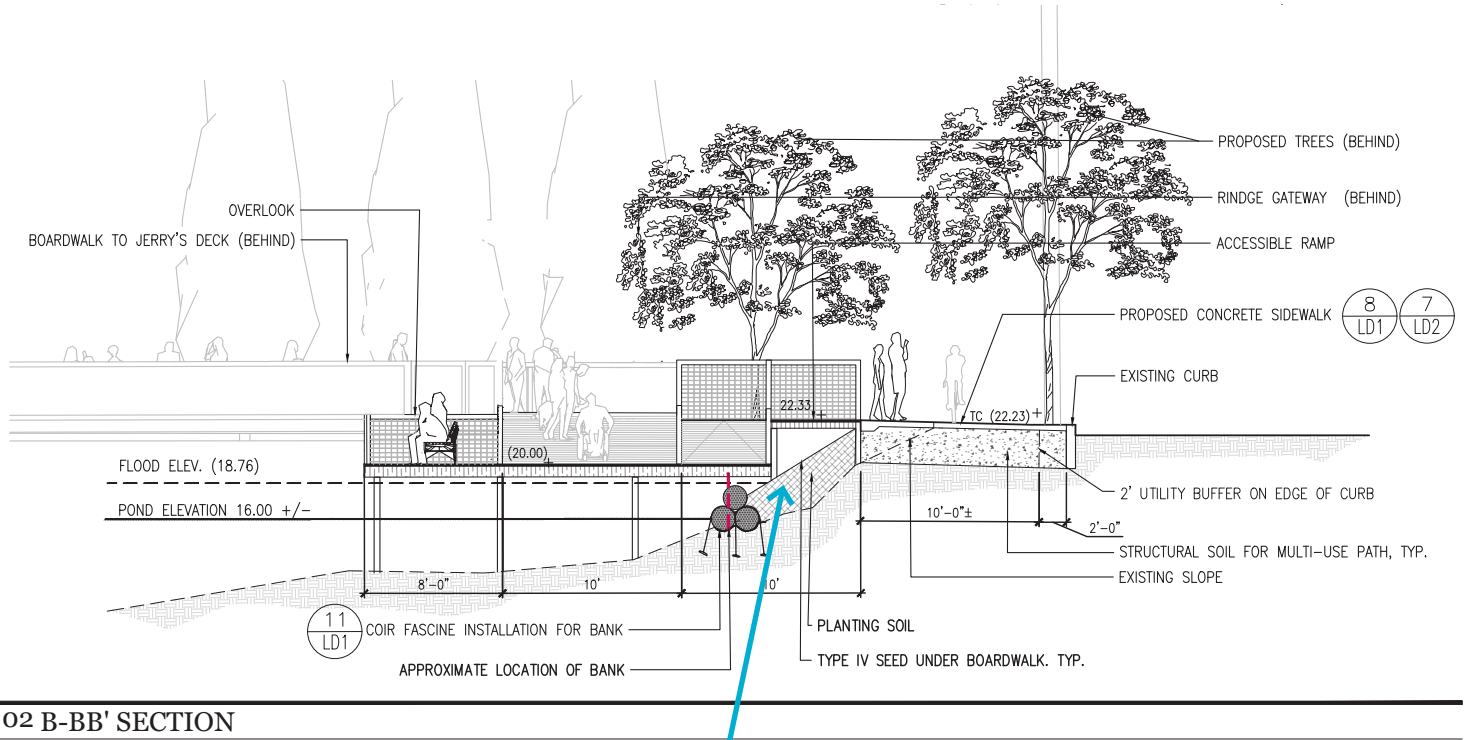
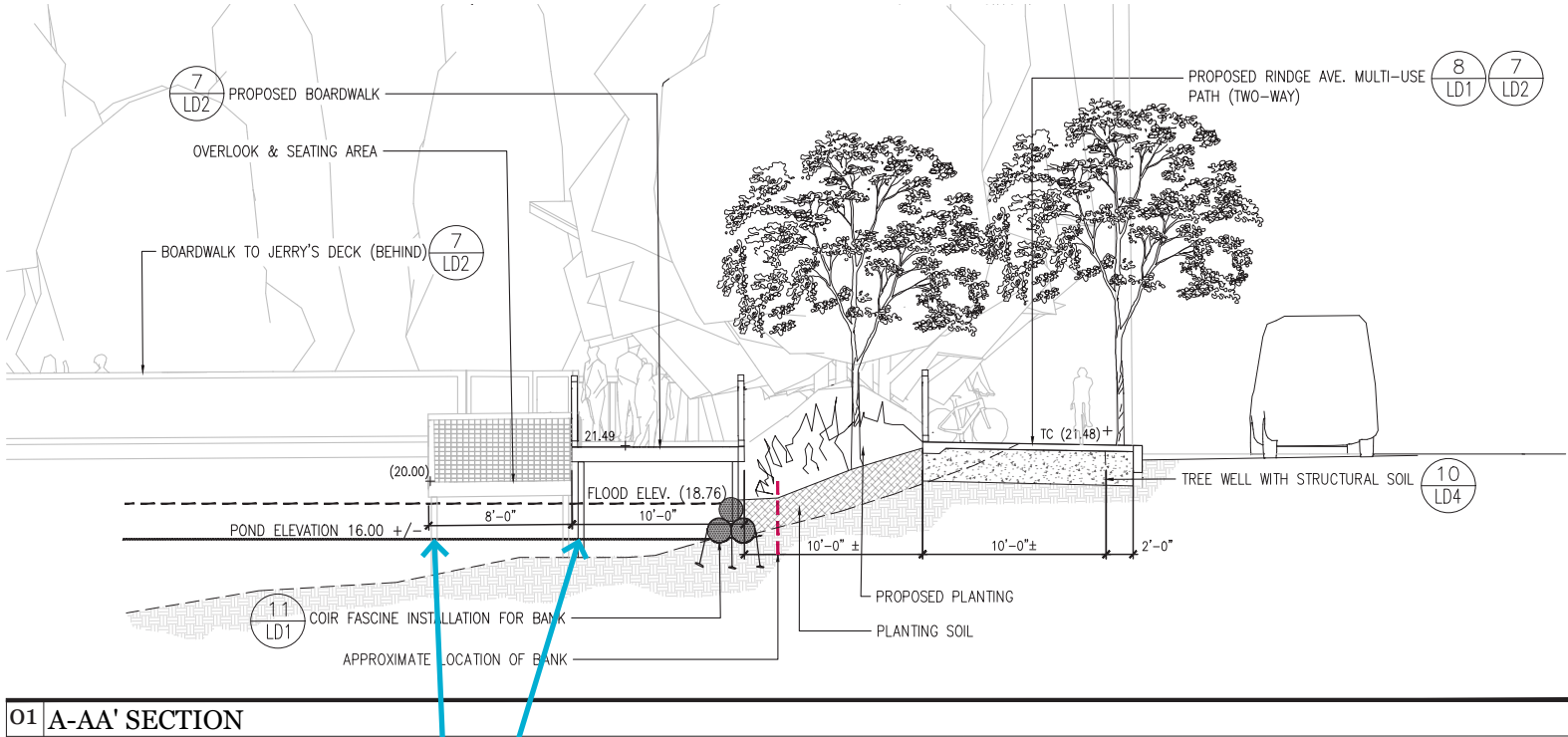
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
AR	1	ACER RUBRUM	RED MAPLE	3" CAL.
CC	5	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	2" CAL.
CO	4	CELTIS OCCIDENTALIS	HACKBERRY	3" CAL.
QB	2	QUERCUS BICOLOR	SWAMP WHITE OAK	3" CAL.
QP	5	QUERCUS PALUSTRIS	PIN OAK	3" CAL.
NS	10	NYSSA SYLVATICA	TUPELO	2" CAL.
SR	2	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE LILAC TREE	2" CAL.
ZC	7	ZELKOVA SERRATA	CITY SPRITE ZELKOVA	2" CAL.

TREE SCHEDULE - COMPENSATORY FLOOD STORAGE AREA

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
AR	6	ACER RUBRUM	RED MAPLE	3" CAL.
AC	4	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	10' HT.
BA	4	BETULA ALLEGHANIENSIS	YELLOW BIRCH	10' HT.
HV	5	HAMAMELIS VIRGINIANA	WITCHHAZEL	4-5' CLUMP
NS	1	NYSSA SYLVATICA	TUPELO	2" CAL.
PO	3	PLATANUS OCCIDENTALIS	SYCAMORE	3" CAL.

COMPENSATORY FLOOD STORAGE VOLUME

FIGURE 13



Piles to support decking

Elevation Increment	Helical piers (Permanent Impact, CF)	Coi Logs & Fill along Rindge Avenue (Permanent Impact, CF)	Total Impact (CF)	Proposed Storage Increase (CF)	New Storage (CF)
18.0-18.76	19.5	798	817.5	865	47.5
17.0-18.0	27.4	750	777.4	822	44.6
16.0-17.0	19.3	90	109.3	3762	3652.7
15.0-16.0	11.1	0	11.1	370	358
14.0-15.0	9.6	0	9.6	177	167.4
13.0-14.0	5.6	0	5.6	55	49.4

Fill along Rindge Avenue to support new trees & plantings

New Floodplain Capacity

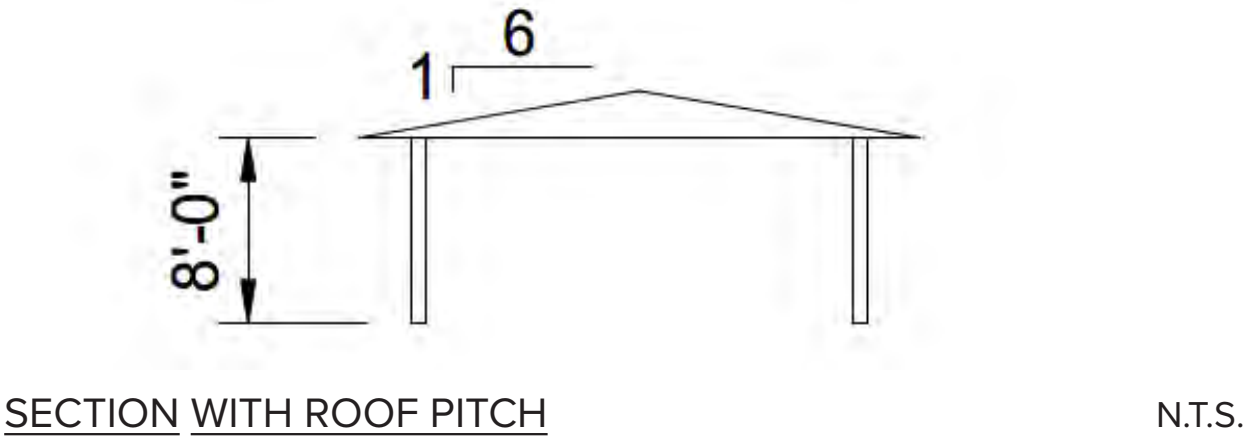
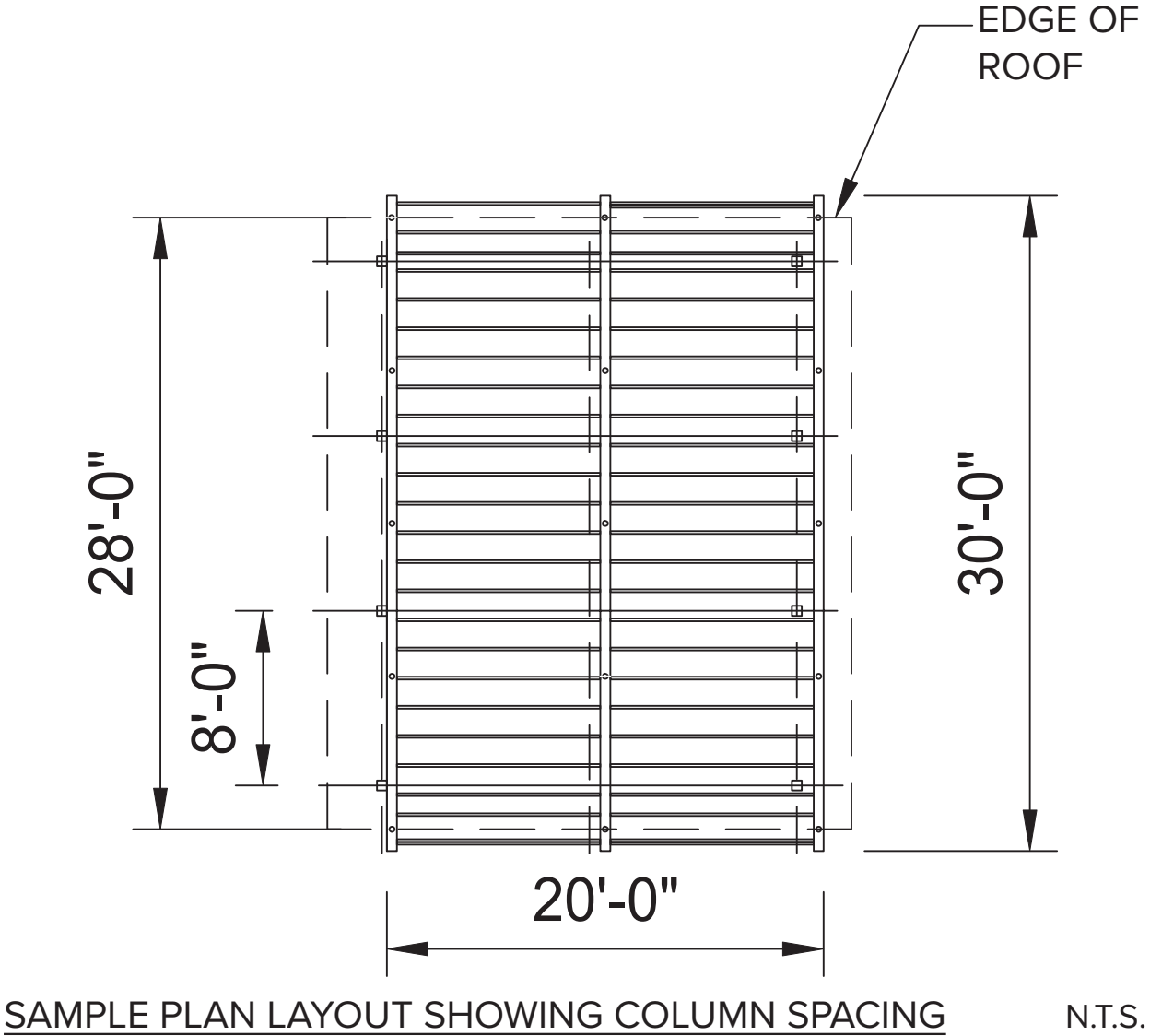
ECO-CENTER PAVILION

ECO-CENTER PAVILION WILL BE A PRE-FABRICATED STRUCTURE AS MANUFACTURED BY ENWOOD STRUCTURES OF RALEIGH, NC. REPRESENTATIVE IMAGES ARE INCLUDED BELOW WITH SPECIFICATIONS INFORMATION.



- STRUCTURE SHALL BE 20’ BY 28’ IN SIZE; ROOFLINE IS 24’ BY 30’.
- THE STRUCTURE IS INTENDED TO BE RETROFITTED TO ACCOMMODATE THE DESIGN PROGRAM AS DEFINED BY COMMUNITY ENGAGEMENT PROCESS & WILL PROVIDE STORAGE & GRILLS.
- COLUMNS WILL BE CONNECTED TO THE HELICAL PILES WITH A GALVANIZED BASE SHOE DESIGNED BY ENWOOD.
- THE FABRICATOR SHALL FURNISH A COMPLETE SET OF SHOP DRAWINGS SHOWING THE NECESSARY DETAILS.
- MANUFACTURE OF THE STRUCTURAL GLUED LAMINATED WOOD COMPONENTS SHALL CONFORM TO THE MANUFACTURING REQUIREMENTS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARDS AND STANDARD SPECIFICATIONS FOR GLUED LAMINATED TIMBER, AITC 117.
- LUMBER: LAMINATING LUMBER SHALL BE #1 GRADE KILN-DRIED, WITH MAXIMUM 15% MOISTURE CONTENT, SOUTHERN YELLOW PINE GRADED TO MEET THE REQUIREMENTS OF STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED TIMBER, AITC 117.

FIGURE 14.1



ECO-CENTER PAVILION

APPROXIMATE PROJECT
AREA LIMITS ■ ■ ■ ■ ■

FEMA 100-YEAR FLOODPLAIN
(ZONE AE) ■ ■ ■ ■ ■

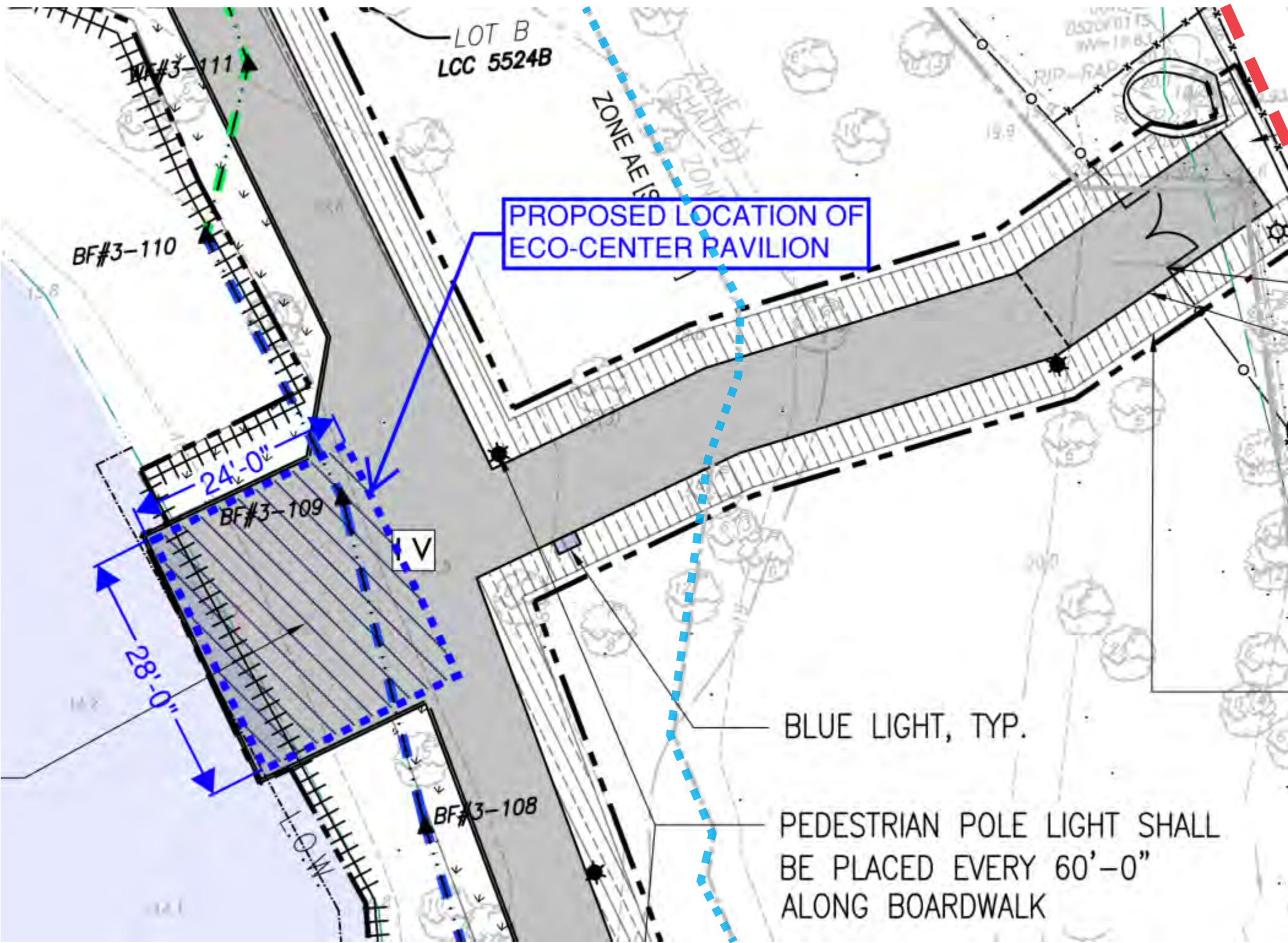


FIGURE 14.2

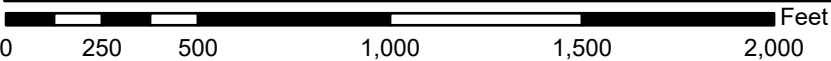
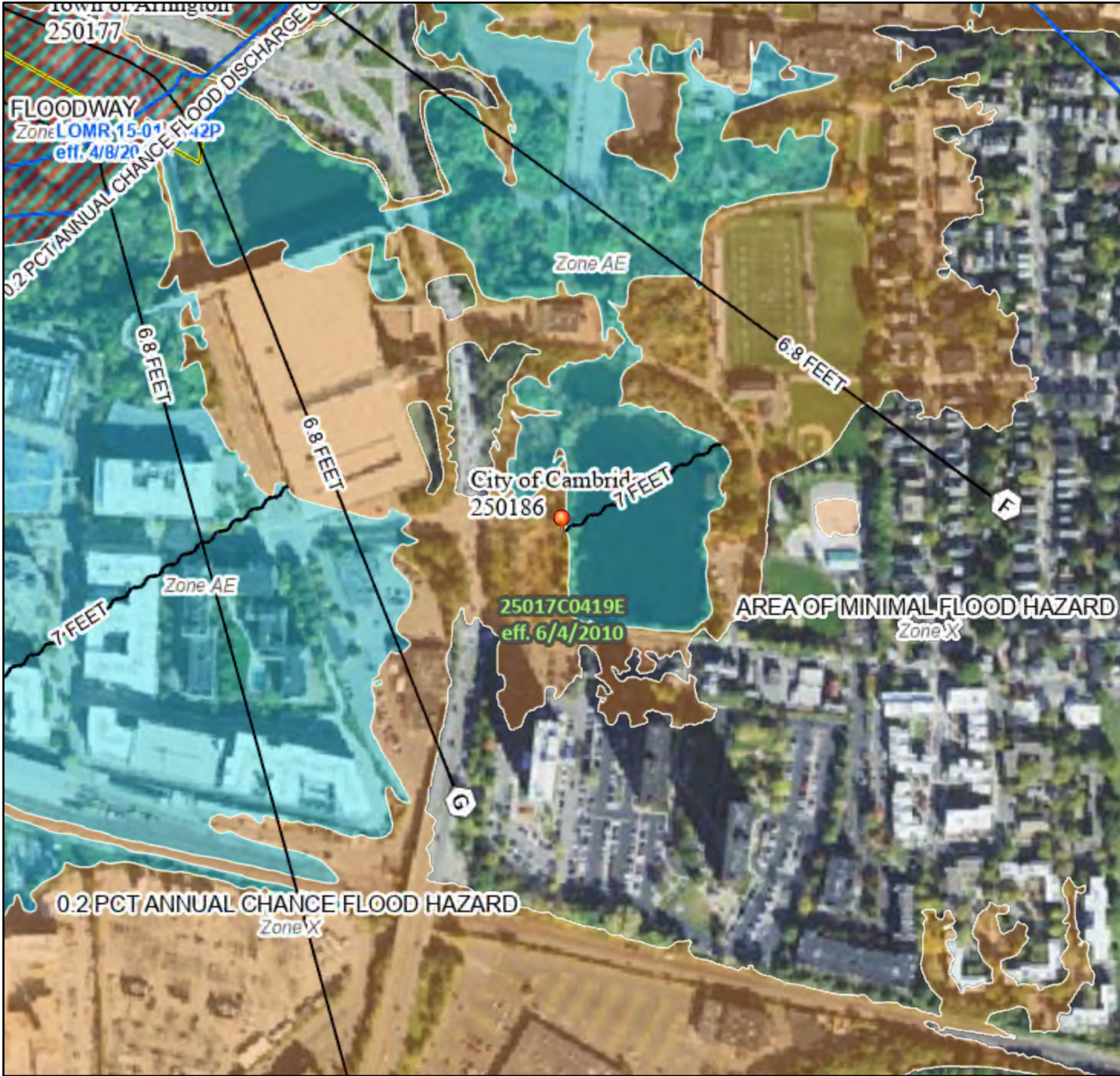


National Flood Hazard Layer FIRMMette



FIGURE 15

71°8'42"W 42°23'54"N



1:6,000

71°8'4"W 42°23'27"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

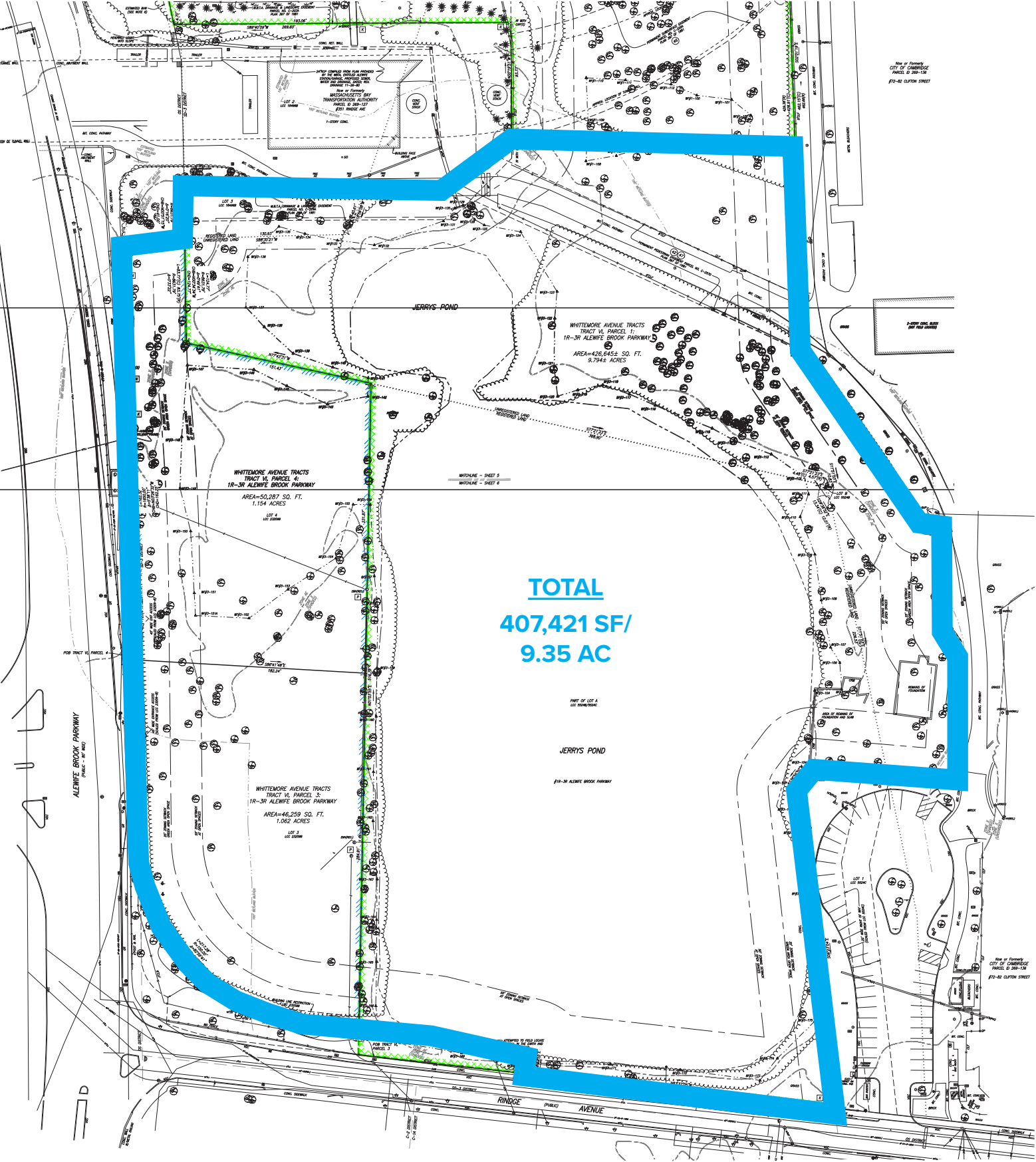
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/12/2025 at 12:18 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

PROJECT AREA

FIGURE 16






JERRY'S POND

CITY OF CAMBRIDGE
FLOODPLAIN OVERLAY SPECIAL PERMIT



PUBLIC USE AREAS

APPROXIMATE PROJECT
AREA LIMITS   




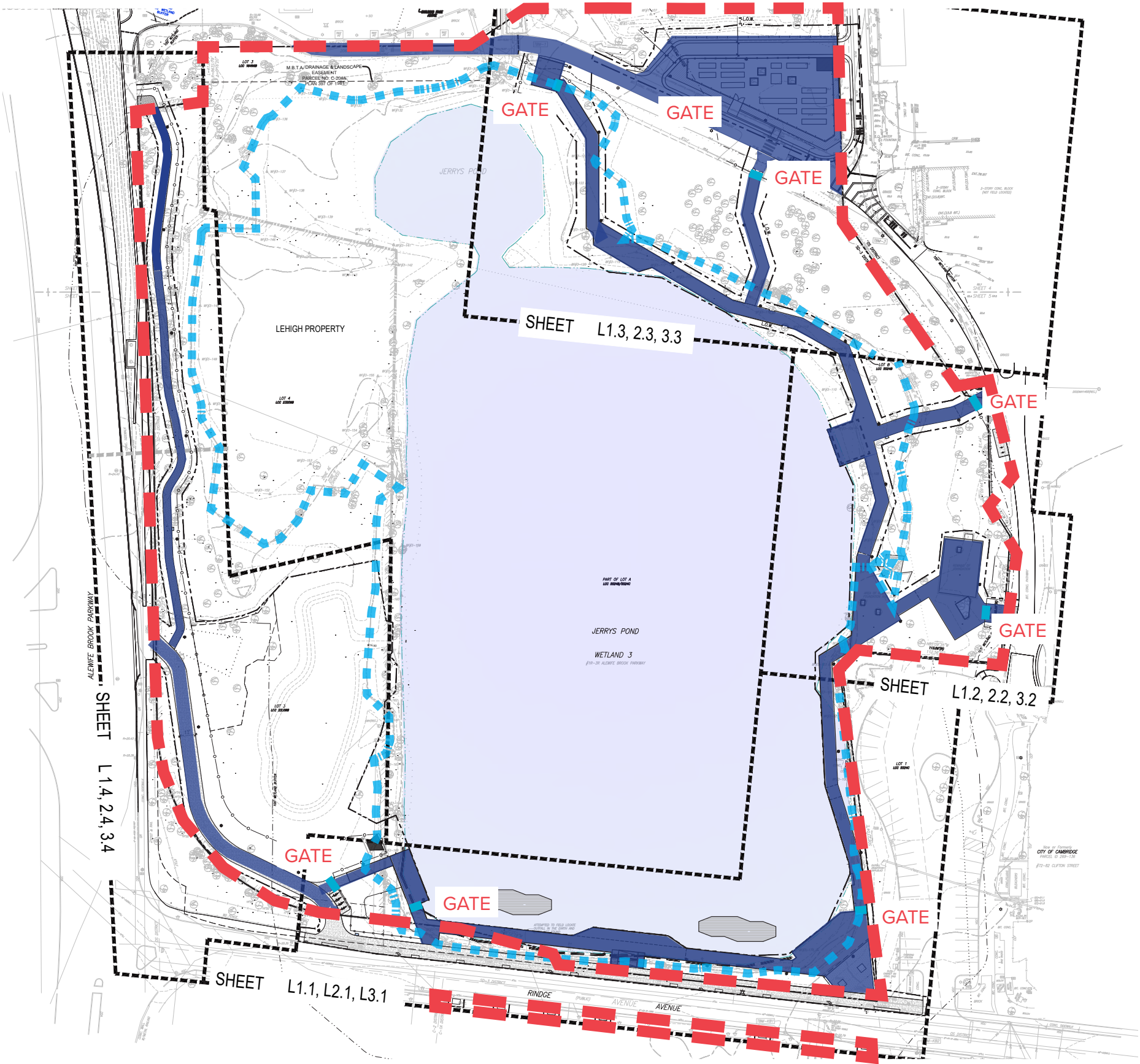
FEMA 100-YEAR FLOODPLAIN
(ZONE AE)   

FIGURE 17



JERRY'S POND

CITY OF CAMBRIDGE
FLOODPLAIN OVERLAY SPECIAL PERMIT

