

MORGAN SHOAL COMMUNITY UPDATE

PROJECT 22703: CHICAGO SHORELINE PROTECTION PROJECT
45TH STREET TO 51ST STREET (MORGAN SHOAL)
REVETMENT RECONSTRUCTION

February 22, 2024

5:30 - 6:00 PM

Presentation

6:00 - 7:00 PM

Open House

7:00 PM

Adjourn



LAMONT J. ROBINSON
4TH WARD ALDERMAN



US Army Corps
of Engineers



WELCOME

PRESENTATION AGENDA

1. Introduction

Alderman Lamont J. Robinson, 4th Ward

Alderman Desmon Yancy, 5th Ward

Ray Giderof, PBC

2. Morgan Shoal Dan Burke, CDOT

3. Project Background Mike Padilla, USACE

4. From 2015 To Now Heather Gleason, CPD

5. Current Project Status Kerl LaJeune, PBC

- 47th Street
- 49th Street and Comfort Station
- 51st Street

6. Natural Resources Heather Gleason, CPD

7. Construction Planning and Logistics

Ray Giderof, PBC

OPEN HOUSE: Share Your Thoughts

Adjourn Ray Giderof, PBC

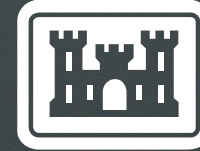
AGENCY STAKEHOLDERS



Public Building Commission of Chicago



Chicago Park District



US Army Corps
of Engineers

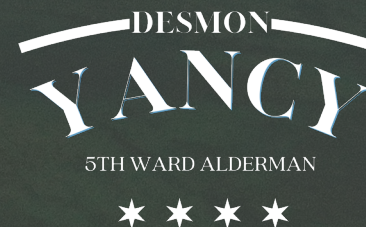
US Army Corps of Engineers



Chicago Department of Transportation



4th Ward



5th Ward



MORGAN SHOAL

CHICAGO DEPARTMENT OF TRANSPORTATION

WHERE IS MORGAN SHOAL?



An aerial photograph of a coastal city, likely Chicago, showing a multi-lane highway running parallel to a green park area. The park is situated between the highway and a body of water. In the background, a dense urban skyline is visible under a hazy sky. The water is a deep blue-green color.

PROJECT BACKGROUND

US ARMY CORPS OF ENGINEERS

PROJECT BACKGROUND

CHICAGO SHORELINE PROTECTION PROJECT

- Primary objective is to protect the Chicago shoreline for all users from flooding and erosion
- Since 1997, the City and the USACE has reconstructed 9.2 miles of shoreline from Montrose Avenue to 57th Street and the South Water Purification Plant Breakwater
- Remaining Segments:
 - **45th to 51st St (Morgan Shoal)**
 - Promontory Point (not part of this scope)



An aerial photograph of the Chicago Park District coastline. The image shows a multi-lane highway running parallel to a green park area, which is bordered by the city of Chicago on the left and Lake Michigan on the right. The city skyline is visible in the distance under a hazy sky. The water in the foreground is a deep green color.

FROM 2015 TO NOW

CHICAGO PARK DISTRICT

2015 FRAMEWORK PLAN OVERVIEW

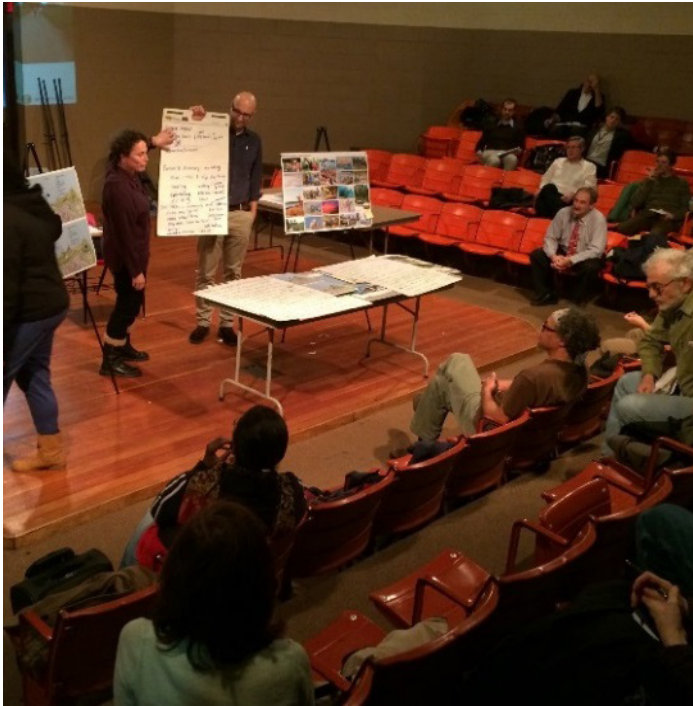
COMMUNITY ENGAGEMENT



PUBLIC MEETING 1

October 28, 2014

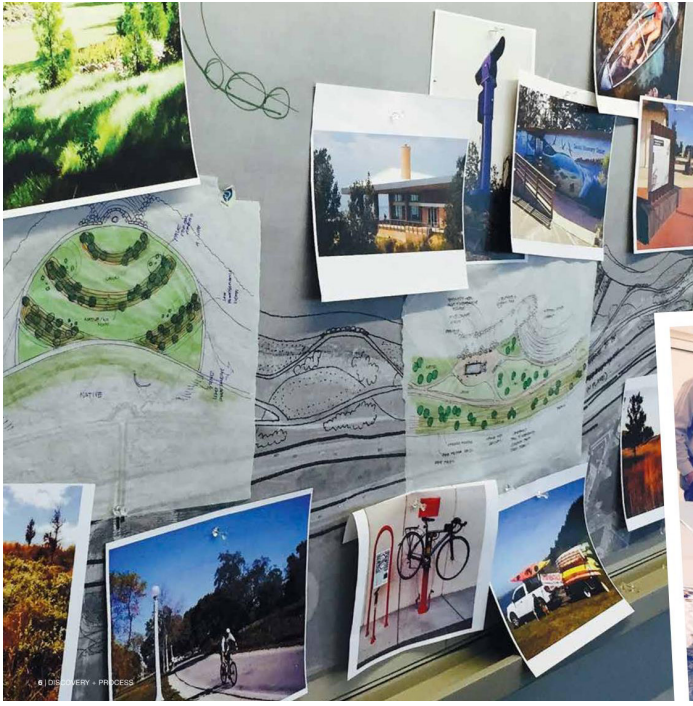
Review of timeline, lakeshore projects, existing conditions, goals and opportunities, break-out, next steps



PUBLIC MEETING 2

December 15, 2014

Review of timeline, lakeshore projects, existing conditions, goals and opportunities, break-out, report back and next steps



PUBLIC MEETING 3

February 26, 2015

Review of project timeline, lakeshore projects, existing conditions, current feedback, concept plan break-out for Q&A

COMMUNITY PARTNERS

- Williams-Davis PAC
- Washington Park LAC
- Burnham Nature Sanctuary
- Black Metropolis National Heritage Area Commission
- Sacred Keepers Sustainability Lab
- Field Museum
- Saint Paul & the Redeemer
- Friends of the Parks
- De La Salle Institute
- Alliance for the Great Lakes
- Illinois Department of Natural Resources
- Armstrong PAC
- Bronzeville Historical Society
- Central Advisory Council
- Jackson Park Advisory Council
- Black Student Community Resource Sharing Network
- Hyde Park Herald
- American Youth Soccer Organization

2015 COMMUNITY ENGAGEMENT PROCESS OUTCOMES



Protect and celebrate the shoal

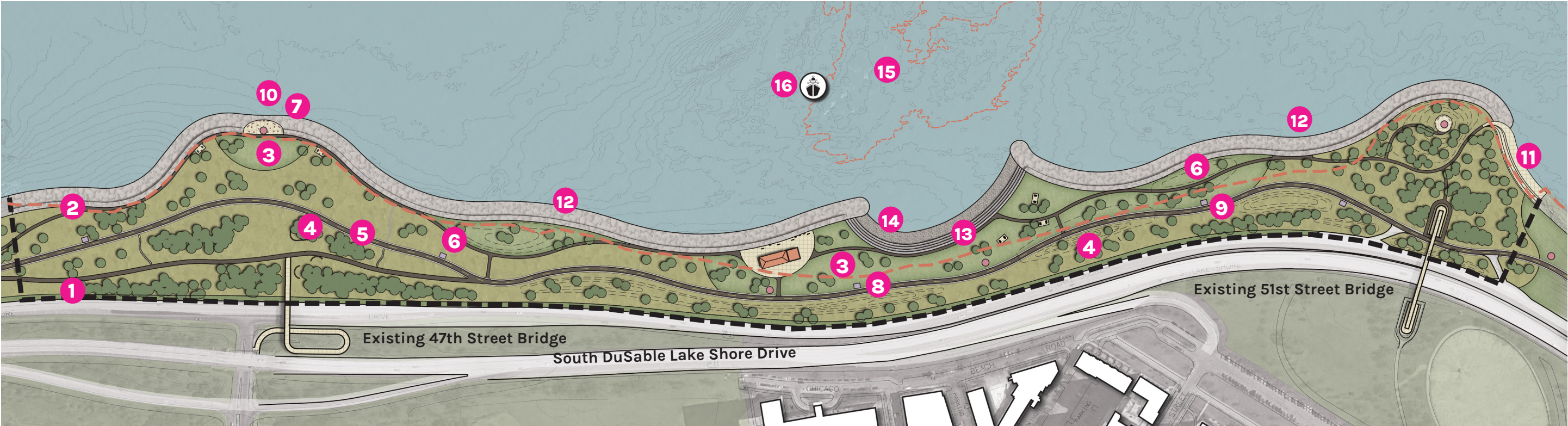


Strike a balance between traditional lawn and natural habitat areas



Key features that bring park visitors to the water

2015 FRAMEWORK PLAN CONCEPT



- 1 Project Boundary
- 2 Existing Shoreline
- 3 Lawn
- 4 Native Savanna/Prairie/Woodland
- 5 Lakefront Trail
- 6 Secondary Trail

- 7 Overlook
- 8 Picnic Area
- 9 Fitness Station
- 10 Art Opportunity
- 11 Stepped Concrete Revetment
- 12 Sloped Stone Revetment

- 13 Stepped Stone Revetment
- 14 Pebble Beach
- 15 Morgan Shoal
- 16 Silverspray Wreck Location

2015 TO NOW

SEPARATED LAKEFRONT TRAIL (2016-2018)



2019-2021 RECORD HIGH LAKE LEVELS AND STORM DAMAGE



Dislodged revetment stones and parkland erosion due to wave action



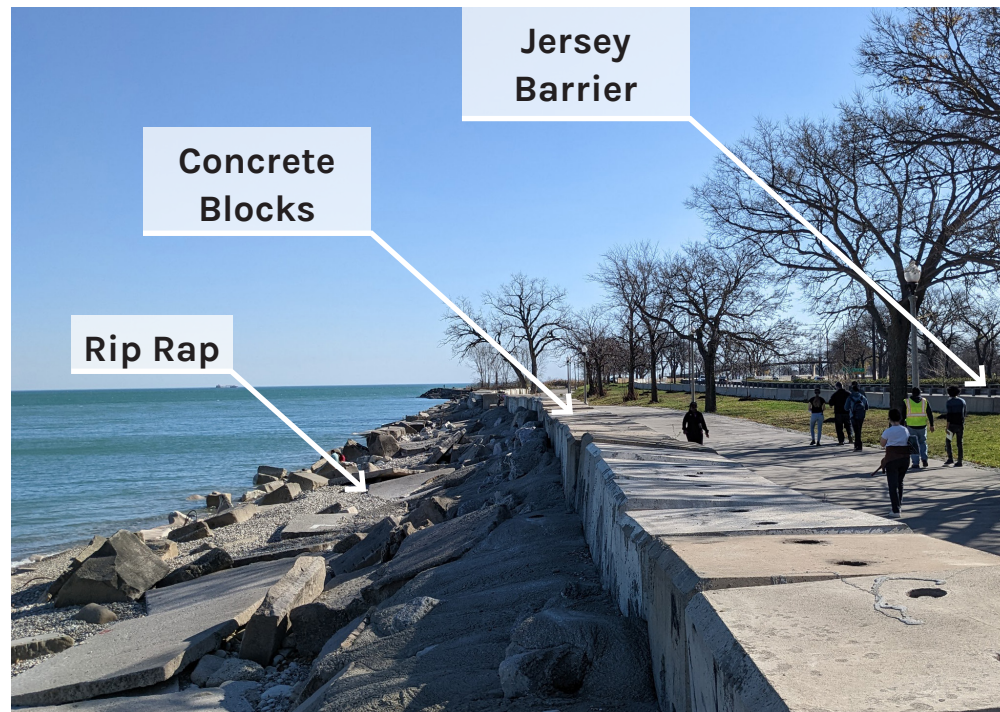
Destroyed lakefront path due to wave action



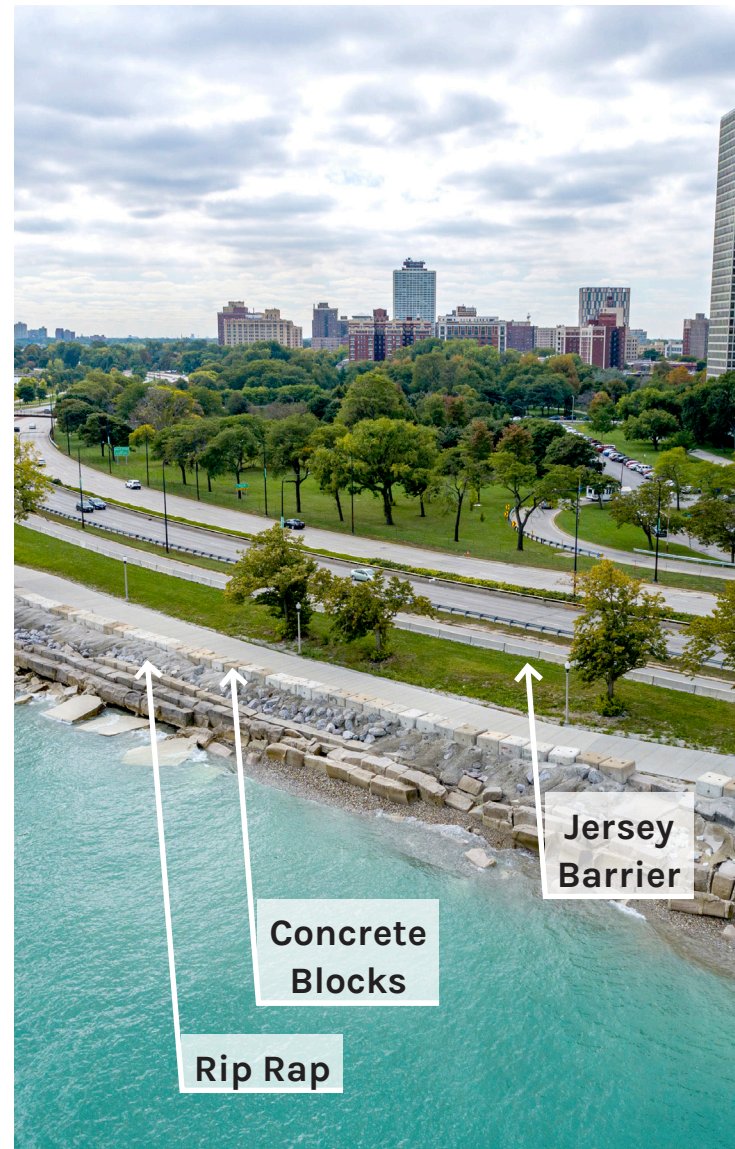
Collapsed concrete slabs and washout areas after winter storm

2019-2021 EMERGENCY STORM DAMAGE MITIGATION

- Jersey wall barrier placement by CDOT
- Emergency work with USACE and MWRD Assistance
- TrapBag installation by Park District



Close up view of existing conditions



View of existing conditions at 47th Street



TrapBags installed as temporary flood protection

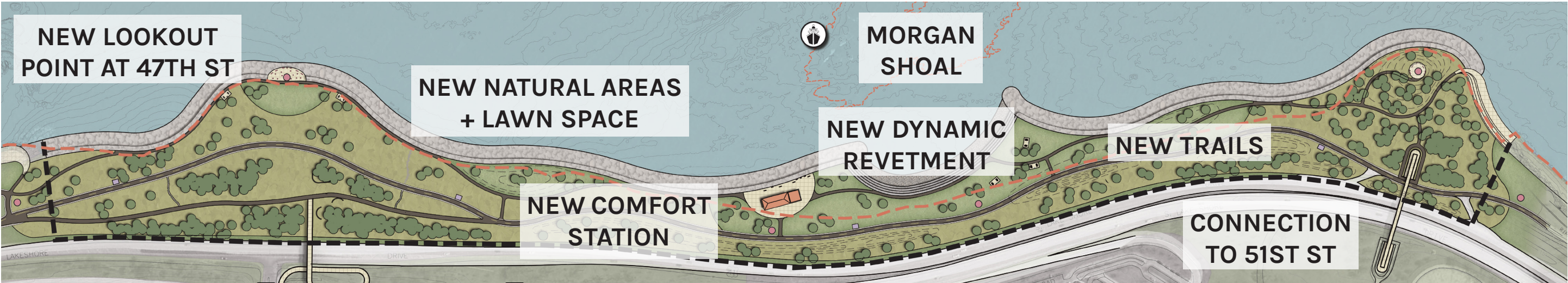
An aerial photograph of Chicago, showing the city skyline in the background, a large body of water (Lake Michigan) on the right, and a multi-lane highway (Lake Shore Drive) running along the shoreline. The highway is flanked by greenery and a rocky beach area. The text "CURRENT PROJECT STATUS" is overlaid in large, white, bold, sans-serif capital letters.

CURRENT PROJECT STATUS

PUBLIC BUILDING COMMISSION

CURRENT PROJECT STATUS

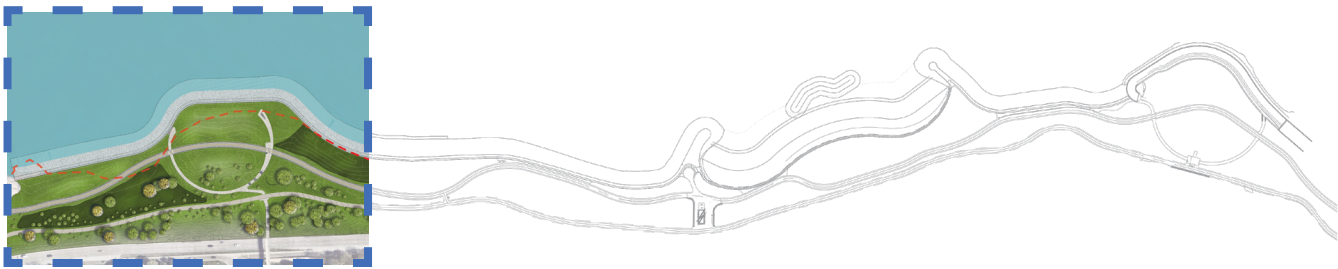
2015 FRAMEWORK PLAN



PRELIMINARY DESIGN

CURRENT PROJECT STATUS

47th STREET

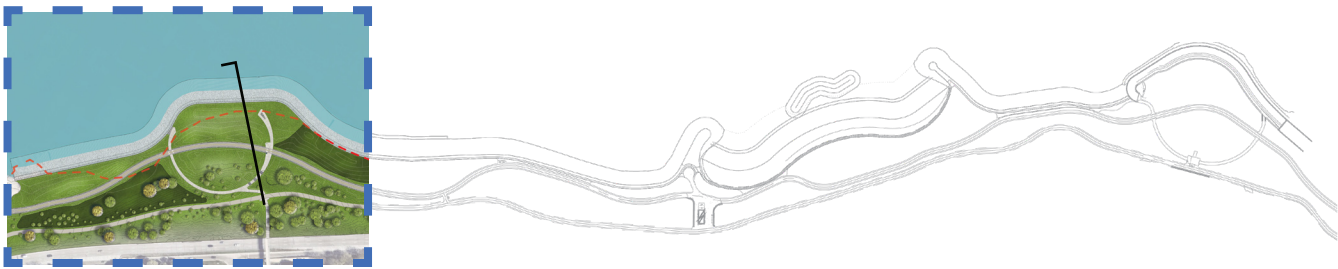


2015 FRAMEWORK PLAN

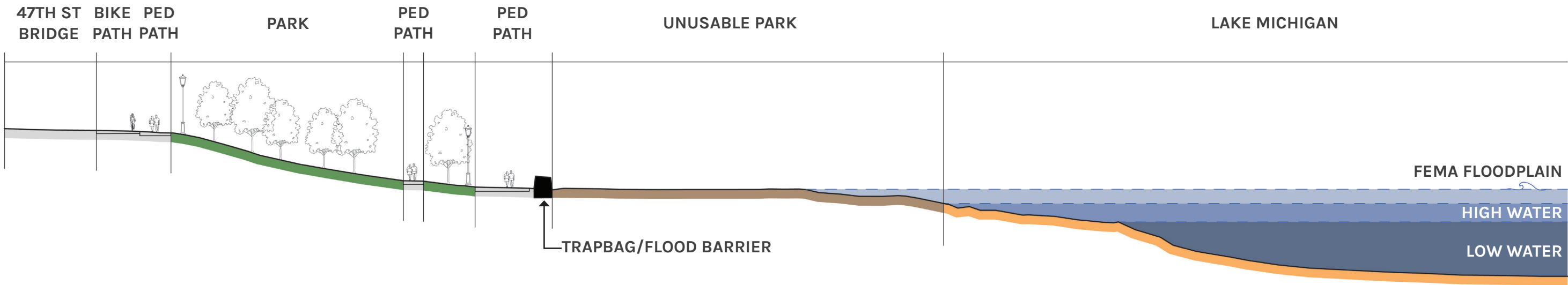


2024 CURRENT DESIGN

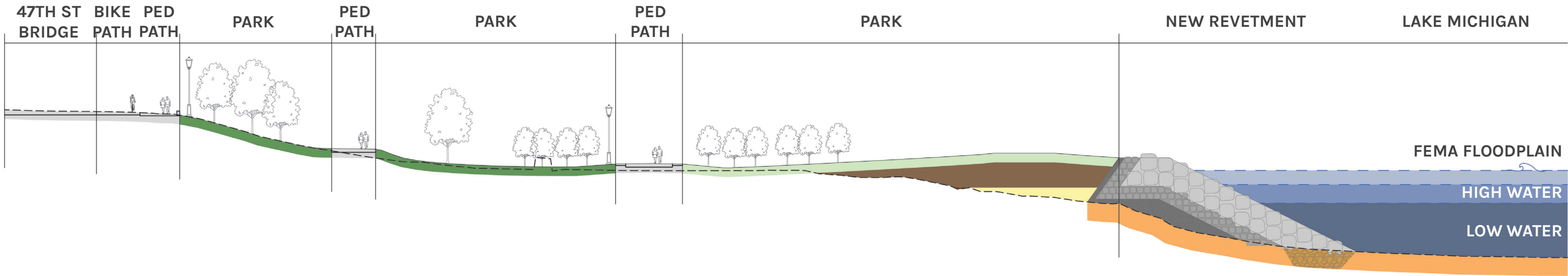
47th STREET SECTION



EXISTING SITE SECTION

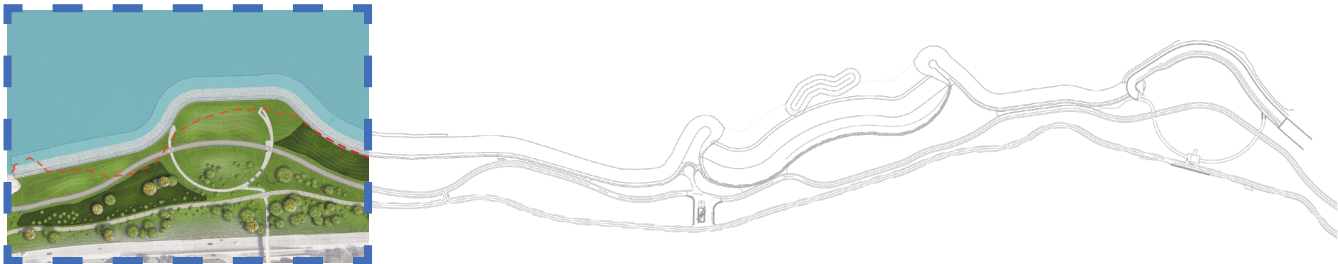


PROPOSED SITE SECTION



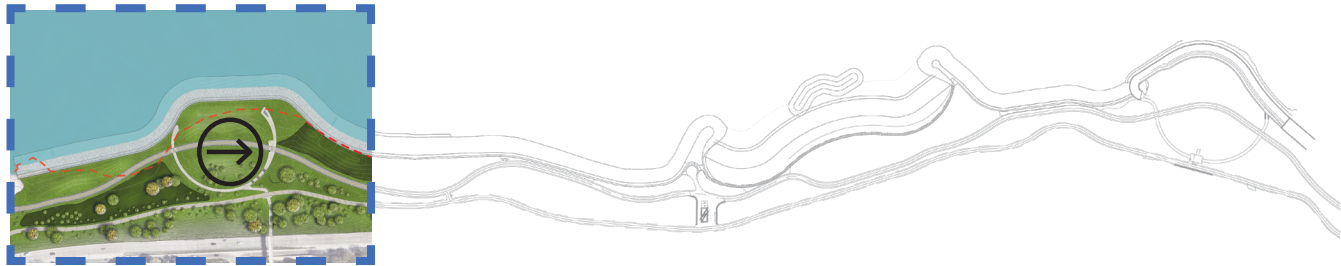
47th STREET

EXISTING CONDITIONS



Deteriorating shoreline separated from pedestrian trail with temporary measures of rip rap and TrapBags.

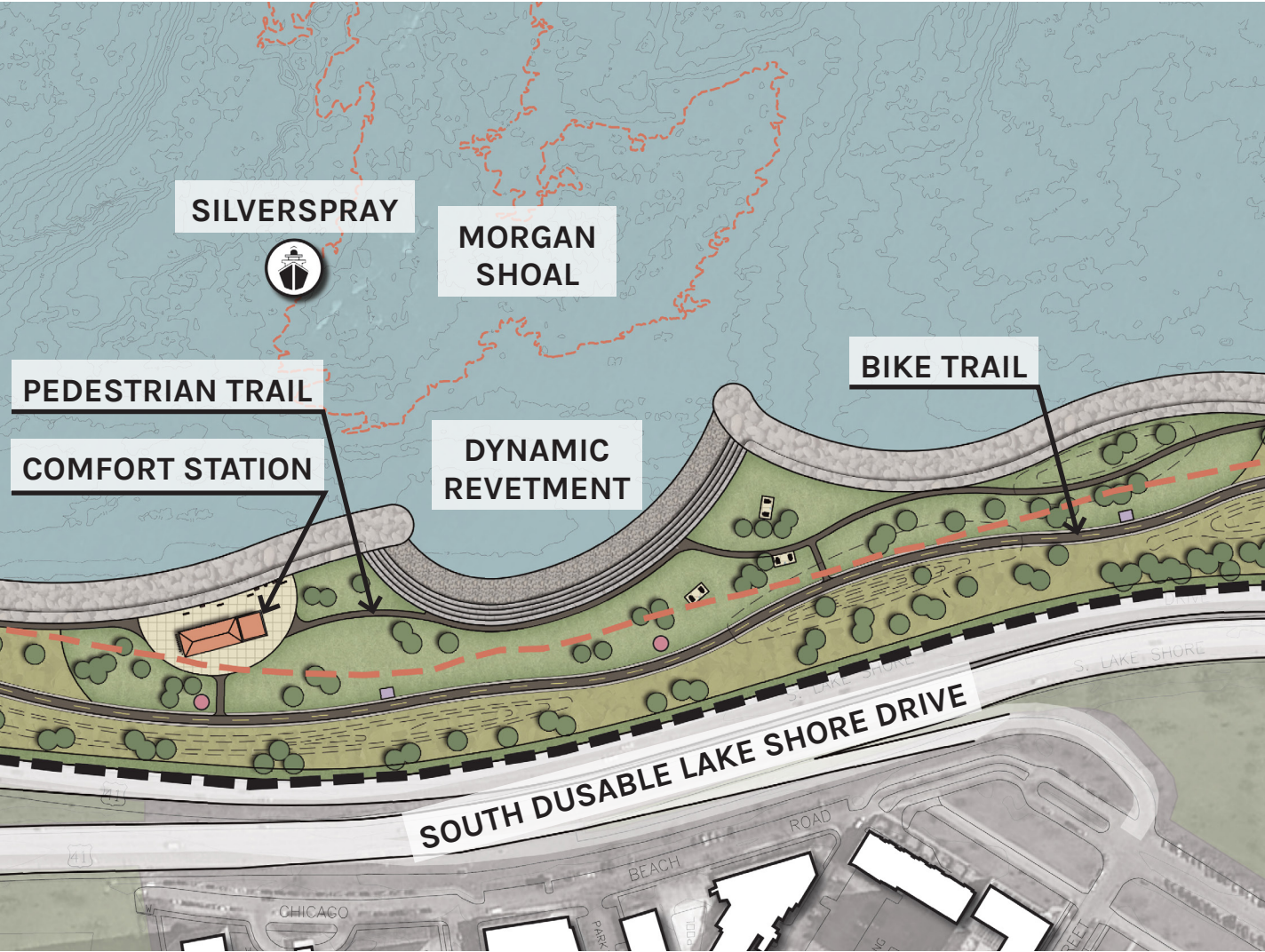
47th STREET (LOOKING SOUTH) PROPOSED DESIGN



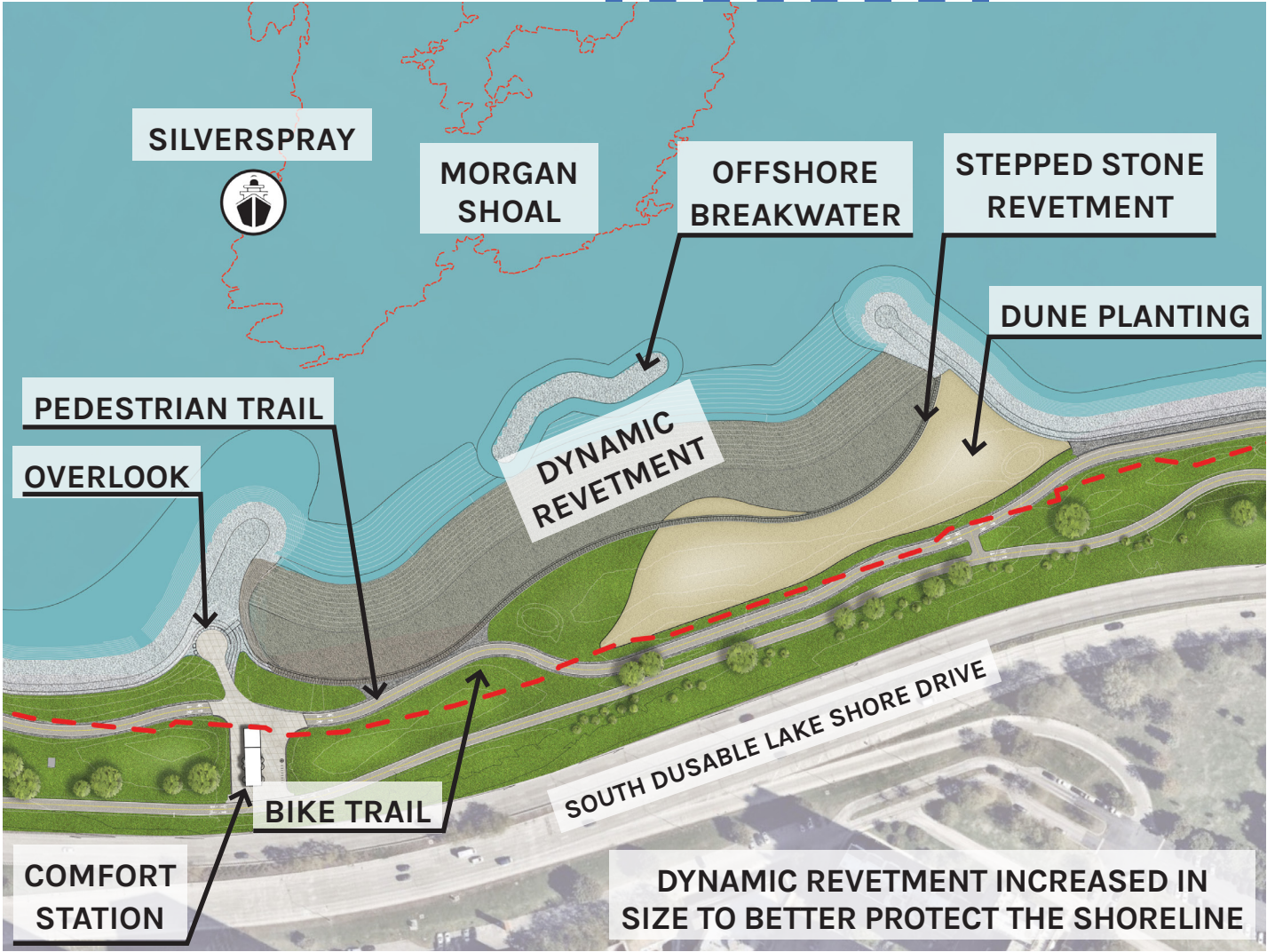
New parkland at the landing of the existing 47th Street pedestrian bridge separates cyclists from pedestrians, expands natural areas and lawn areas along the path, and protects existing trees.

CURRENT PROJECT STATUS

49th STREET

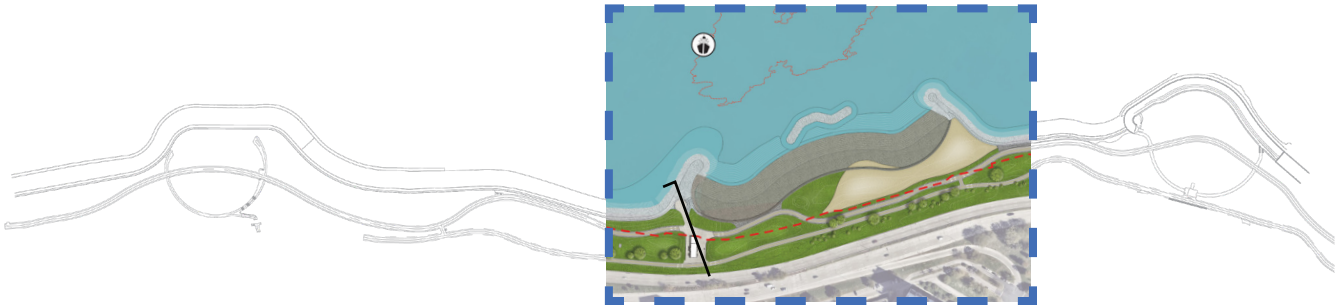


2015 FRAMEWORK PLAN

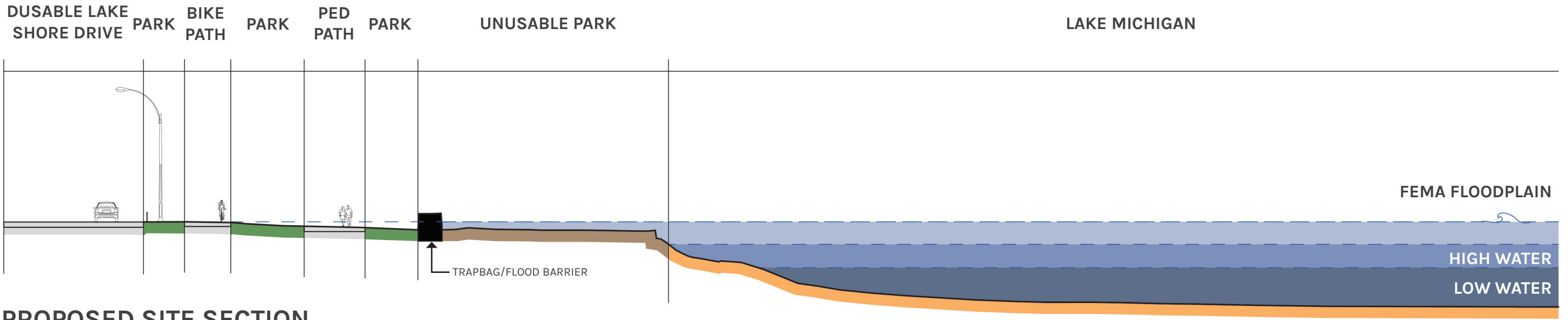


2024 CURRENT DESIGN

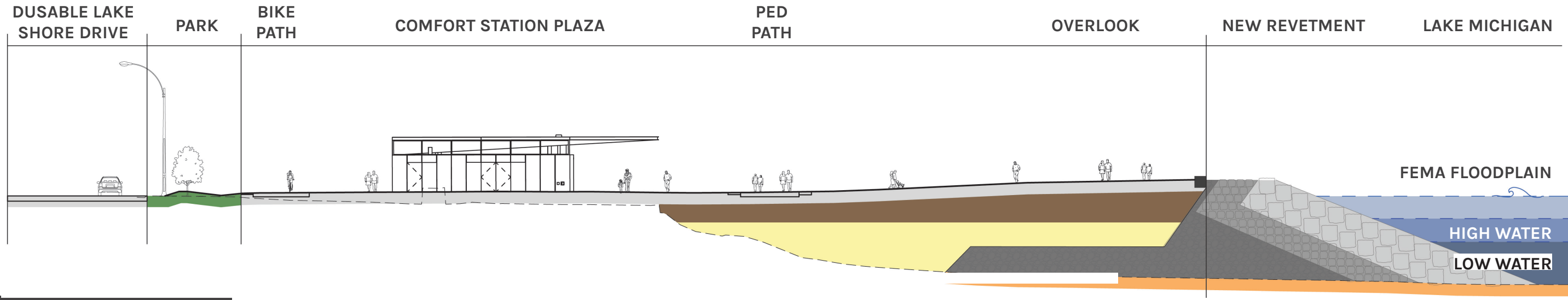
49th STREET SECTIONS



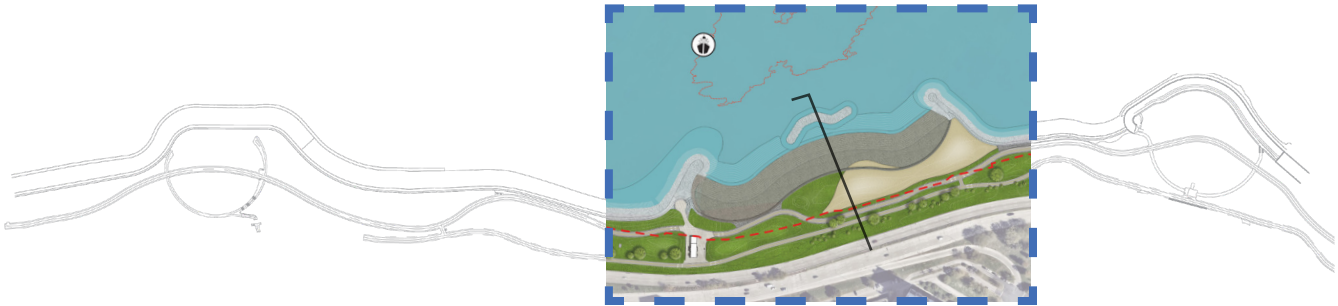
EXISTING SITE SECTION



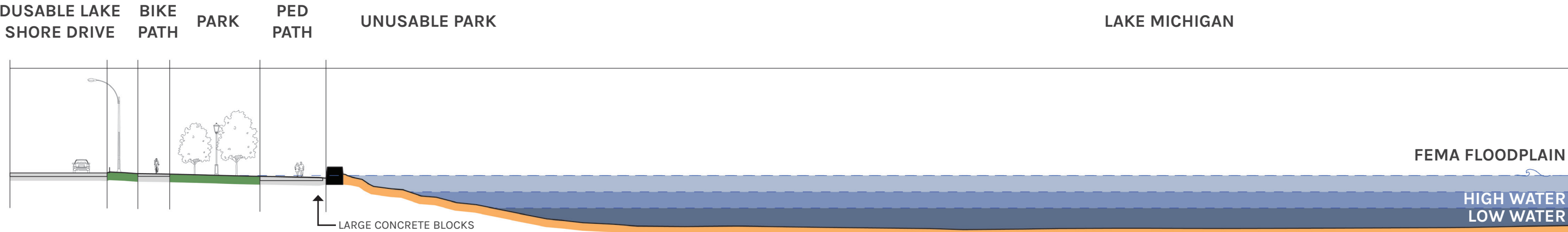
PROPOSED SITE SECTION



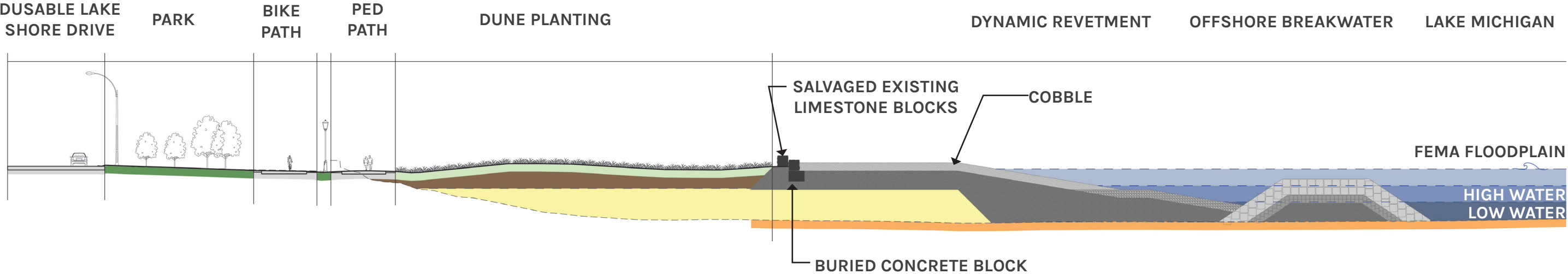
49th STREET SECTIONS



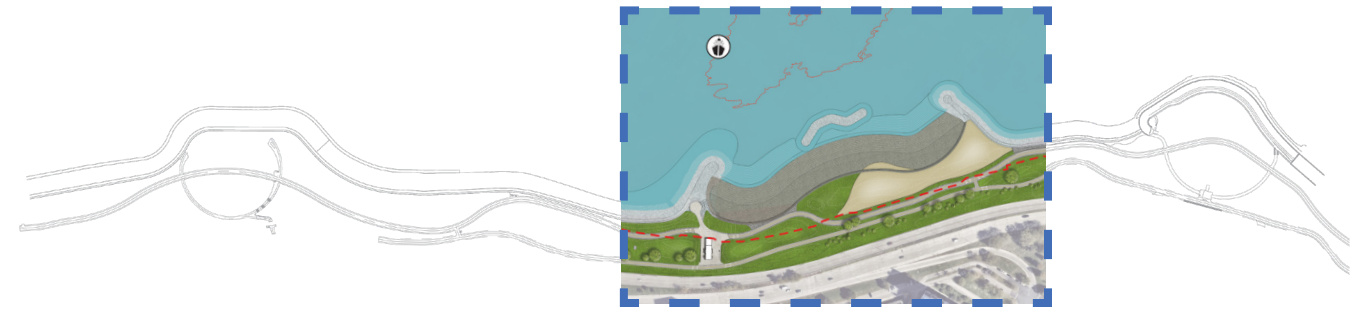
EXISTING SITE SECTION



PROPOSED SITE SECTION

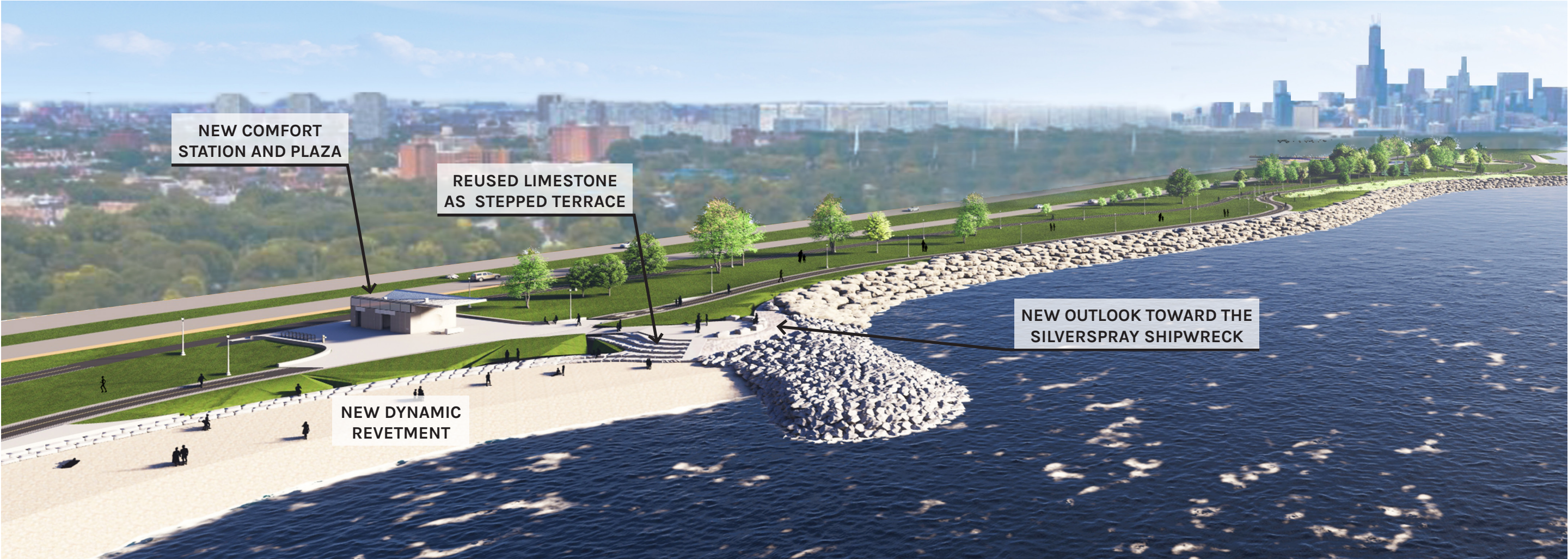
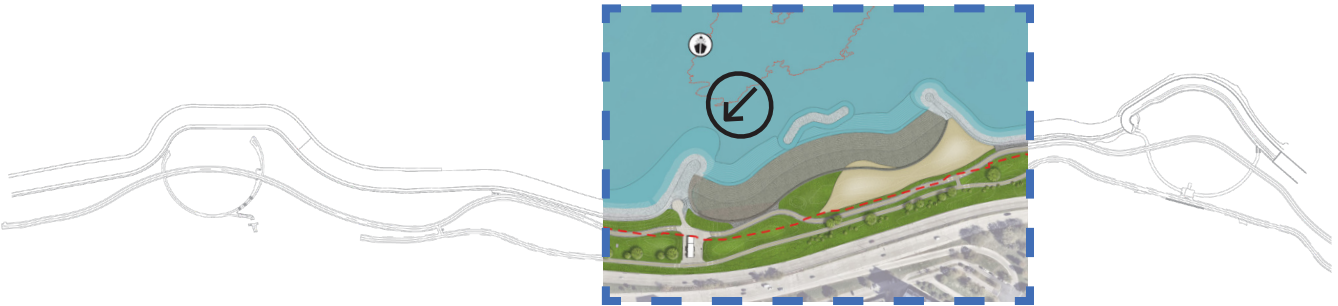


49th STREET EXISTING CONDITIONS



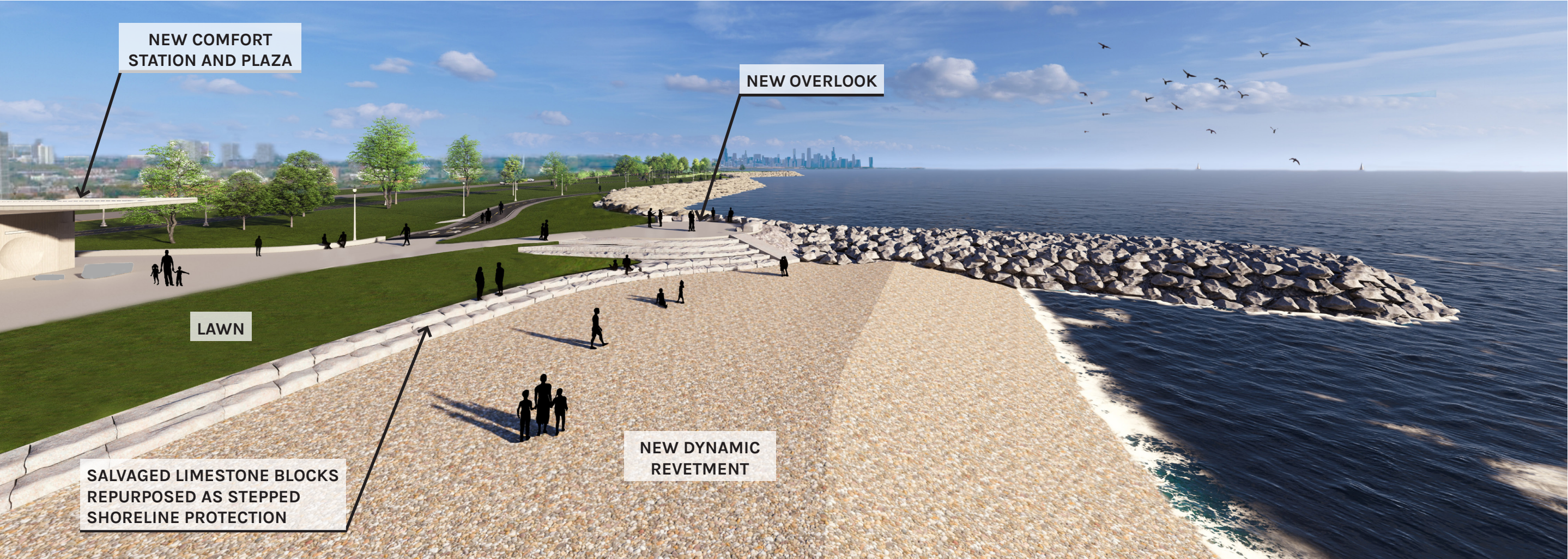
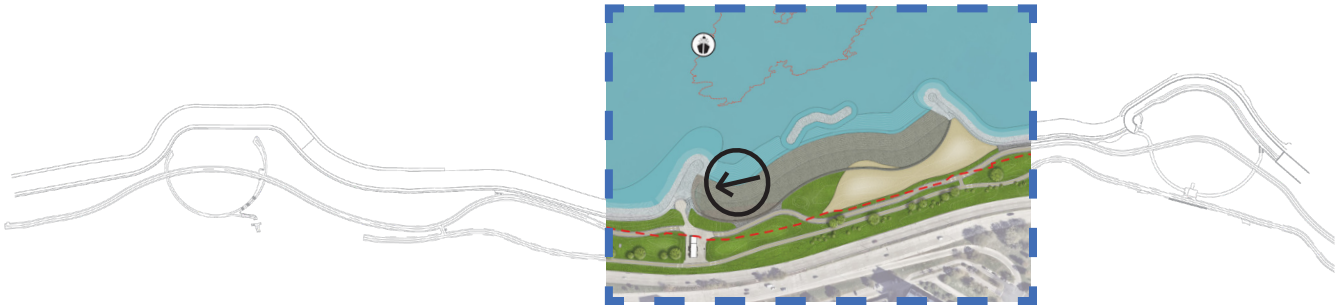
Existing edge of lakefront trail crumbling into the water limits areas where park visitors may safely interact with the lake.

49th STREET (LOOKING NORTH) PROPOSED DESIGN



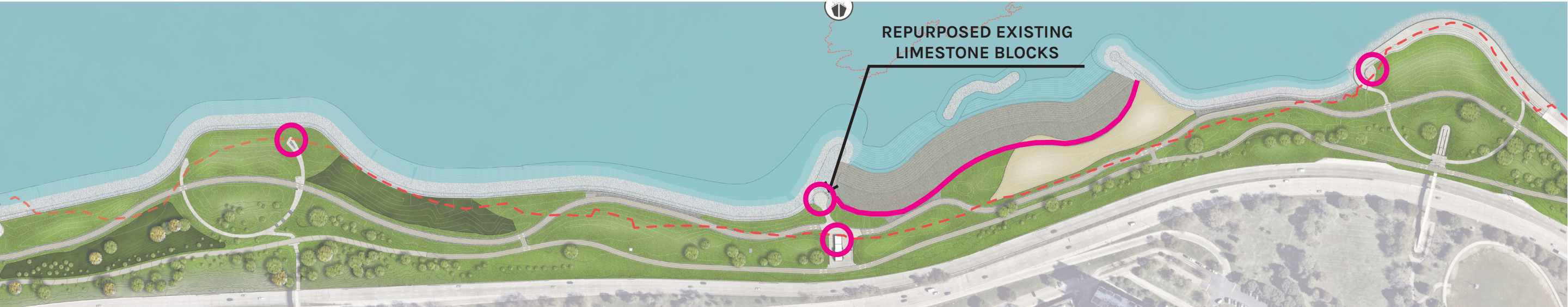
New parkland lifts the comfort station up out of the FEMA floodplain and creates an elevated outlook for views out to the water. The outlook terraces down to the new dynamic revetment, a protected and designed moment that brings park visitors close to the water.

49th STREET (LOOKING NORTH) PROPOSED DESIGN



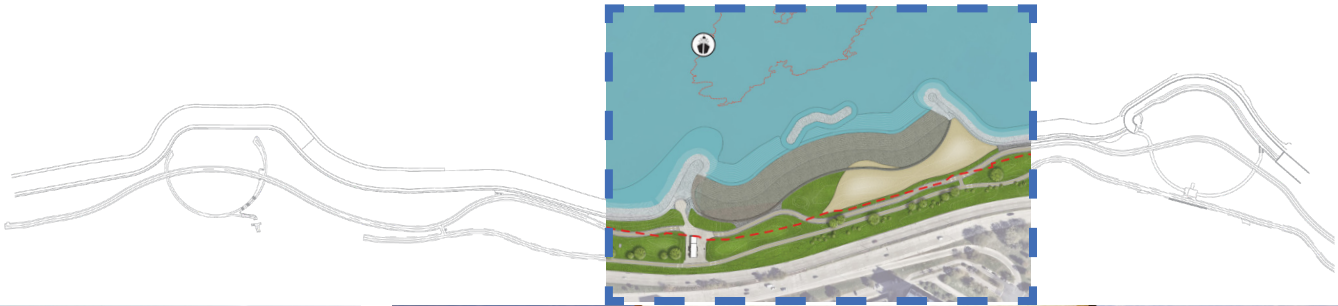
The new dynamic revetment protects the new parkland at its most vulnerable point and brings park visitors safely to the water's edge

REPURPOSED EXISTING CARVED LIMESTONE BLOCKS



Generations of park visitors have left their mark on many of the existing limestone blocks. As part of this project, hundreds of existing blocks will be carefully salvaged and reused as seating or as part of the terrace at the dynamic revetment.

49th STREET COMFORT STATION



The roof overhang shades a protected area for the original carved stone, repurposed into seating



The interior high-privacy toilet partitions are inspired by the sonic patterns reflected in the concrete walls.

The Comfort Station is a new, iconic civic landmark along the lakefront at Morgan Shoal, inspired by Chicago's historic bridge houses. It will be the Chicago Park District's first lakefront gender neutral restroom. Its walls reflect Lake Michigan, translating sounds to patterns.

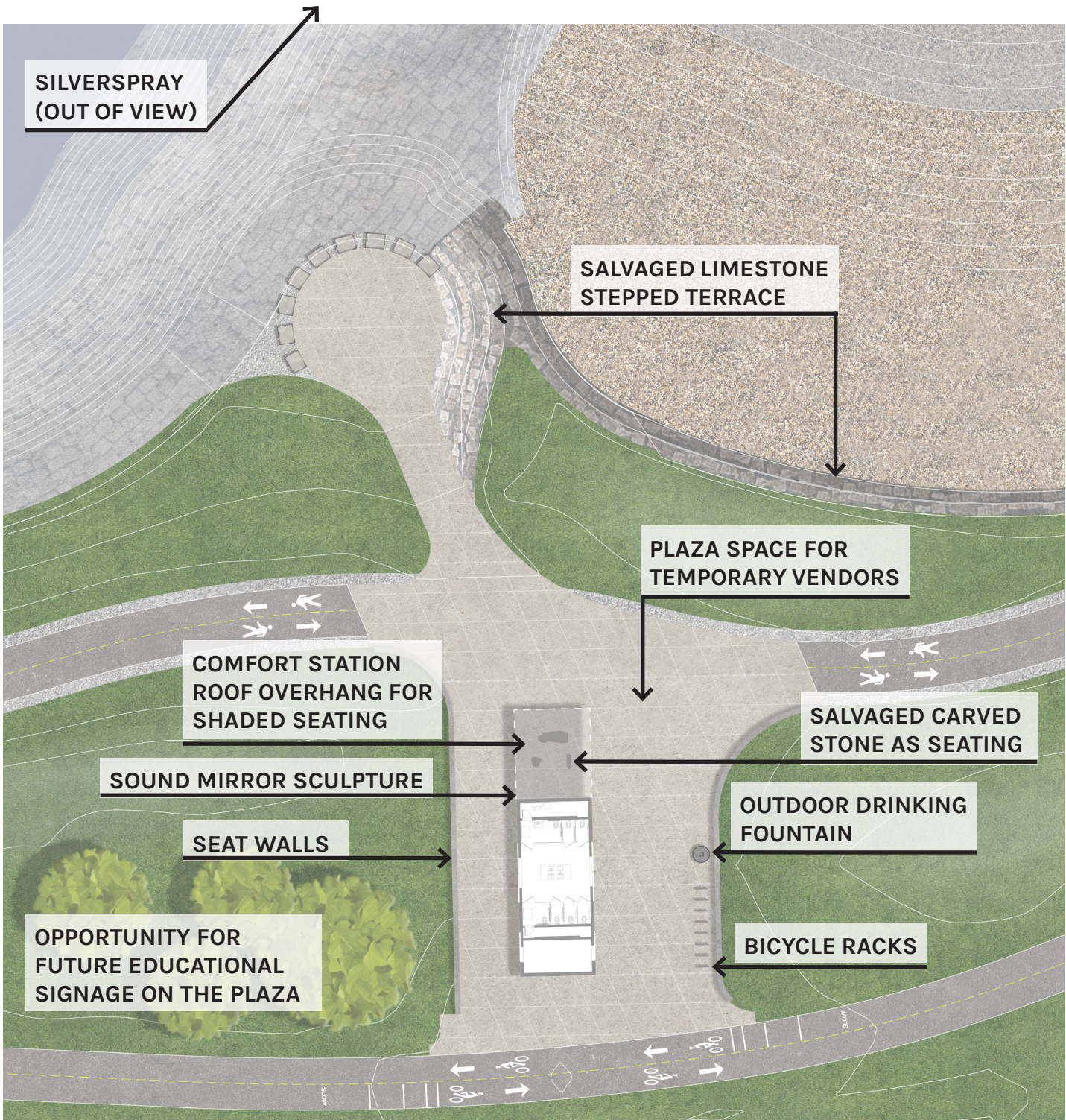
PLAZA LAYOUT

OVERLOOK TOWARD MORGAN SHOAL AND SILVERSPRAY WRECK



ENGAGING THE SENSES

Taking inspiration from the 2015 Framework Plan, local Chicago sound artist, Mark Holt, recorded the sounds of Lake Michigan at the site of the original comfort station. He translated those sounds into a visual pattern that will be cast into the concrete walls of the new comfort station so that visitors can see the sound of Lake Michigan, touch the grooved pattern, and listen to amplified sounds of the Lake through the sound mirror sculpture.



CURRENT PROJECT STATUS

51st STREET

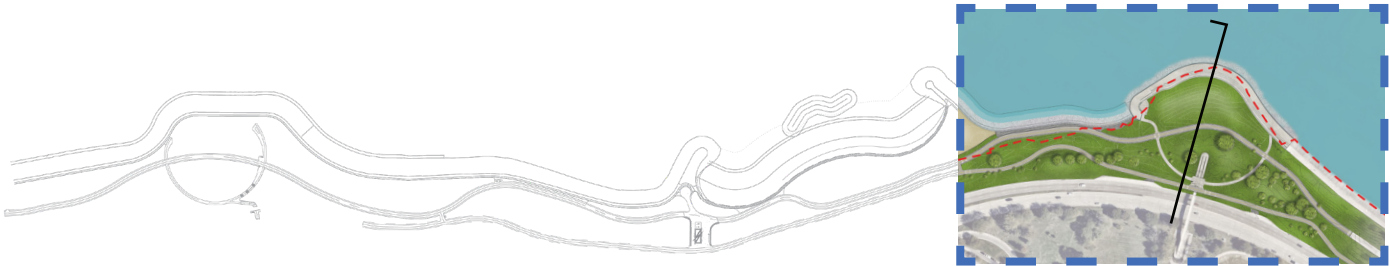


2015 FRAMEWORK PLAN

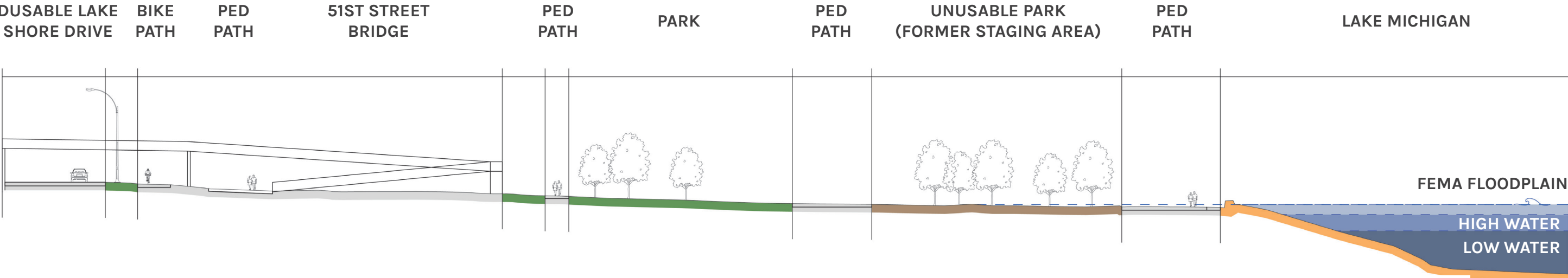


2024 CURRENT DESIGN

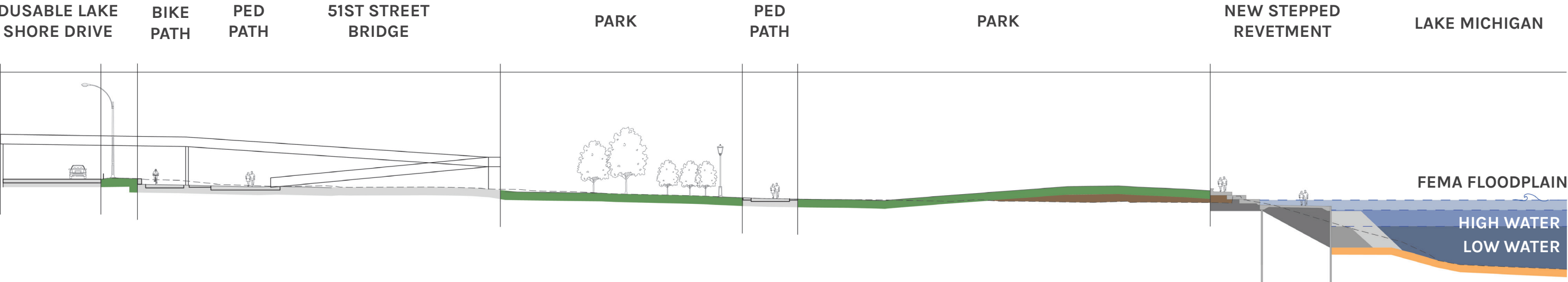
51st STREET SECTIONS



EXISTING SITE SECTION

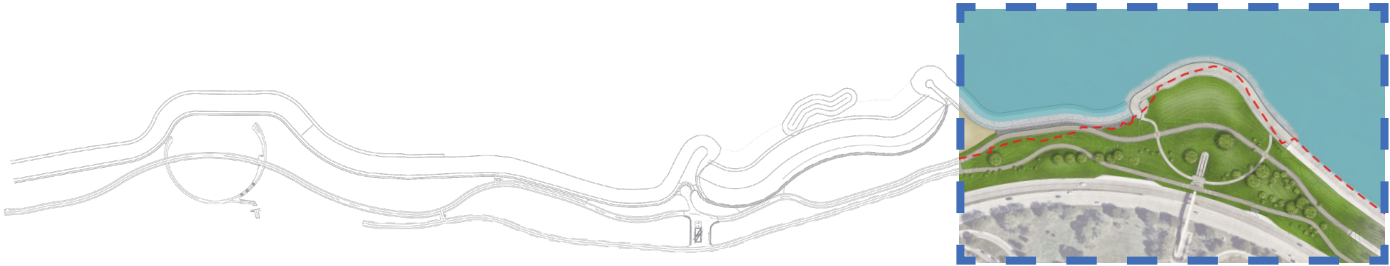


PROPOSED SITE SECTION



51st STREET

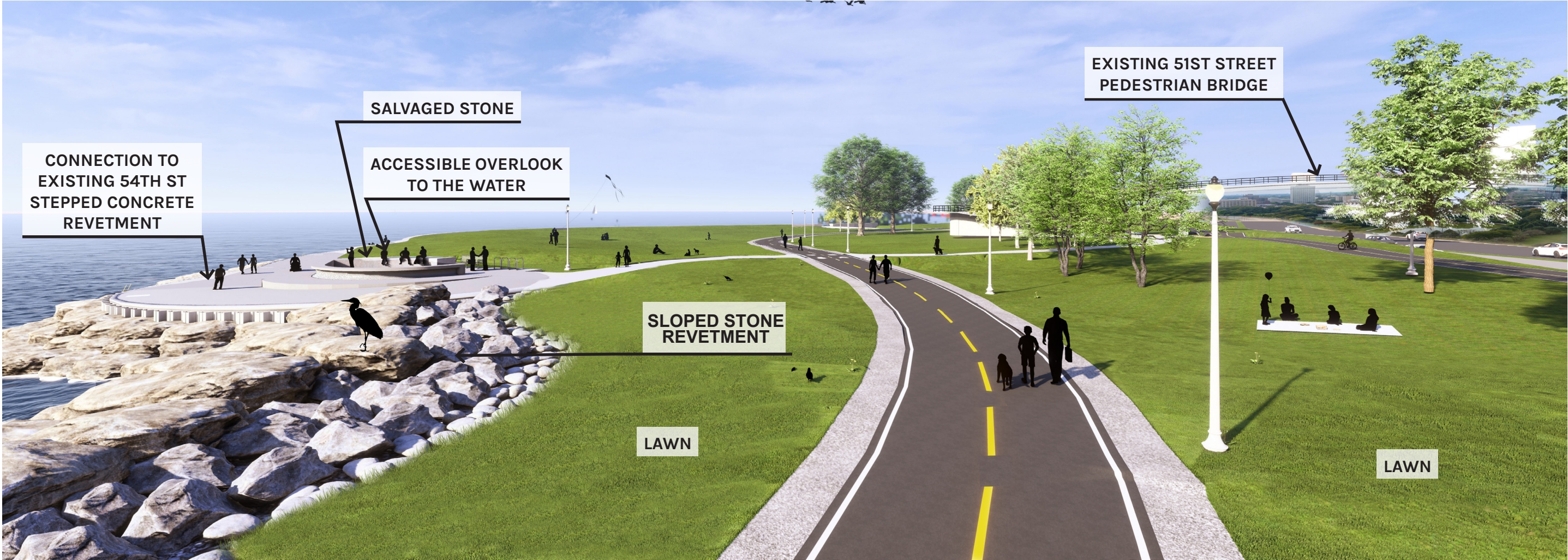
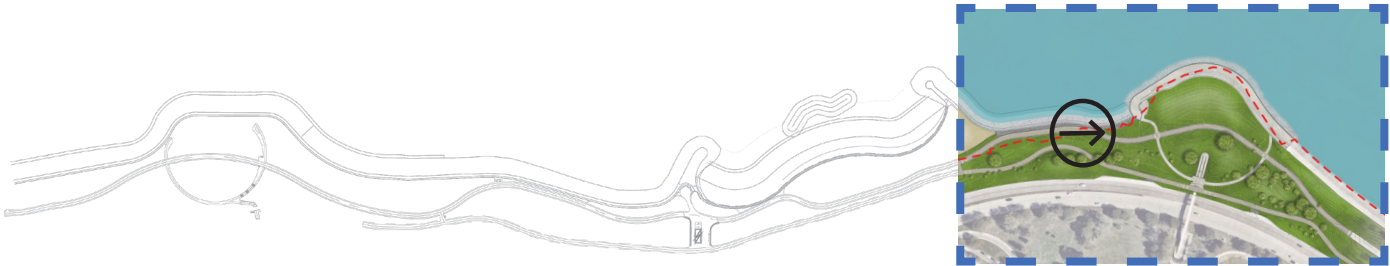
EXISTING CONDITIONS



Deteriorated landscape at the landing of the existing 51st Street pedestrian bridge and rip rap for temporary erosion protection.

51st STREET (LOOKING SOUTH)

PROPOSED DESIGN - VIEW 4



The accessible overlook to the water connects to the existing concrete revetment south of the project area

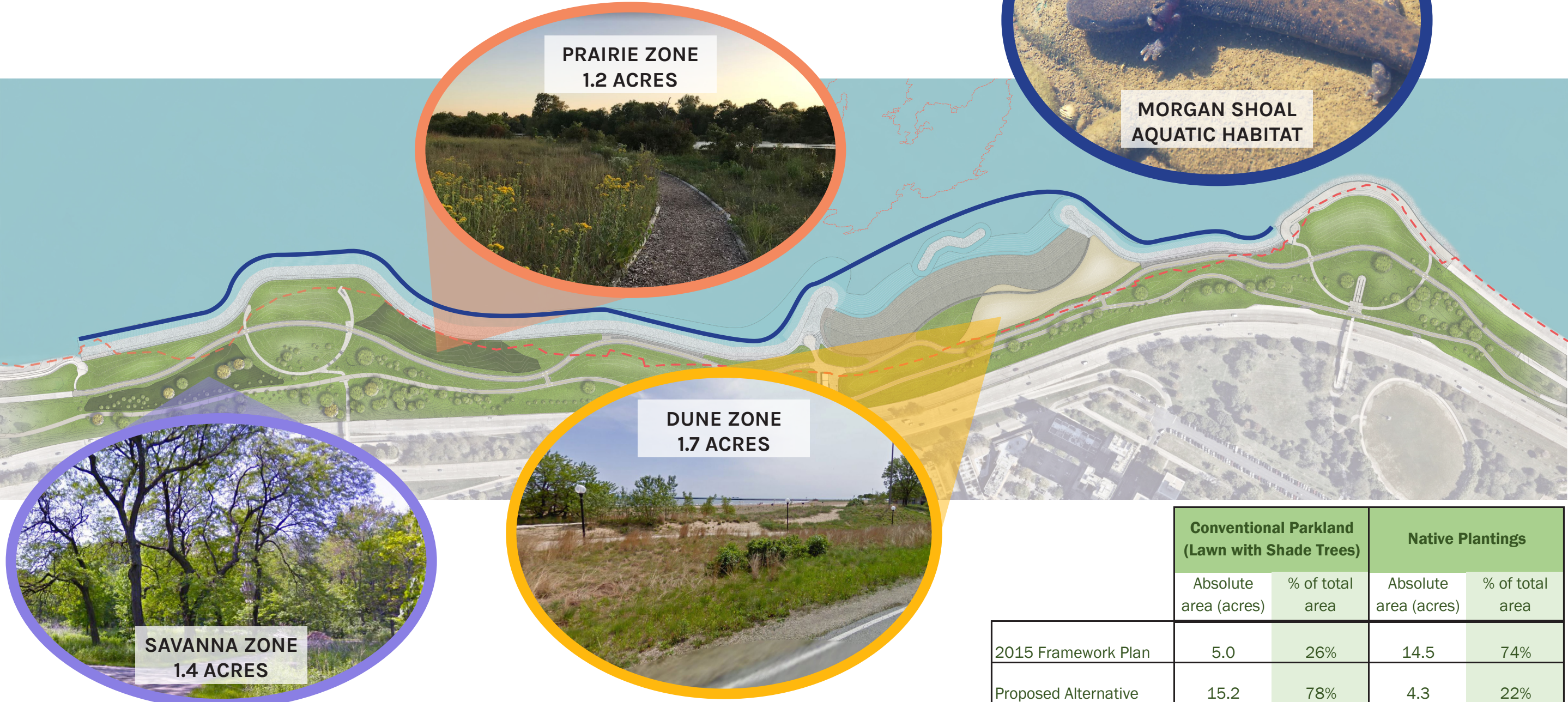
An aerial photograph of Chicago's Lakefront. The image shows a wide expanse of Lake Michigan on the right, with a rocky shoreline in the foreground. A multi-lane highway runs parallel to the shore, flanked by green parkland and trees. In the background, the dense Chicago skyline is visible under a hazy, overcast sky. The text "NATURAL RESOURCES" and "CHICAGO PARK DISTRICT" is overlaid in white on the right side of the image.

NATURAL RESOURCES

CHICAGO PARK DISTRICT

PROPOSED ENHANCED NATURAL AREAS

No in water work November 1st - April 30th for Mudpuppy protection

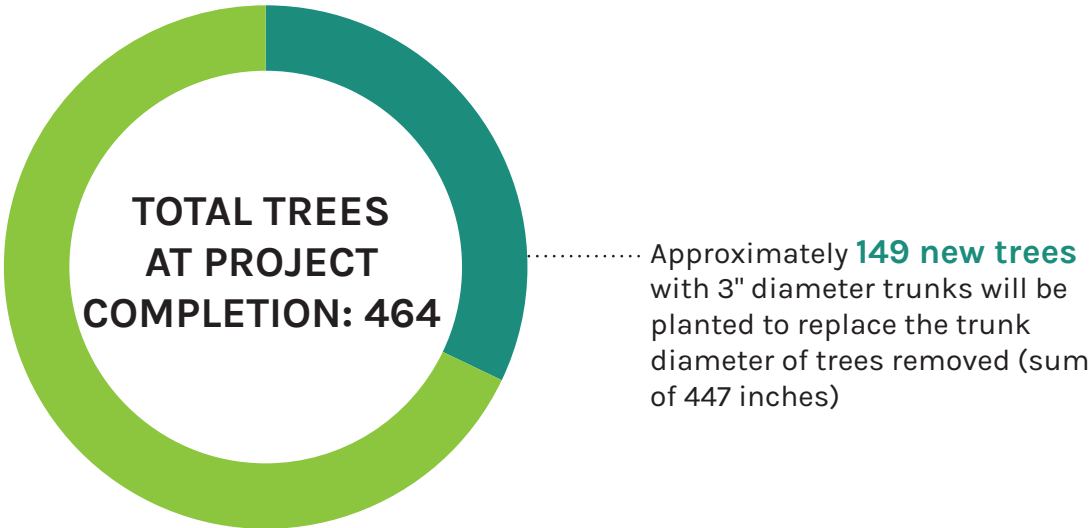
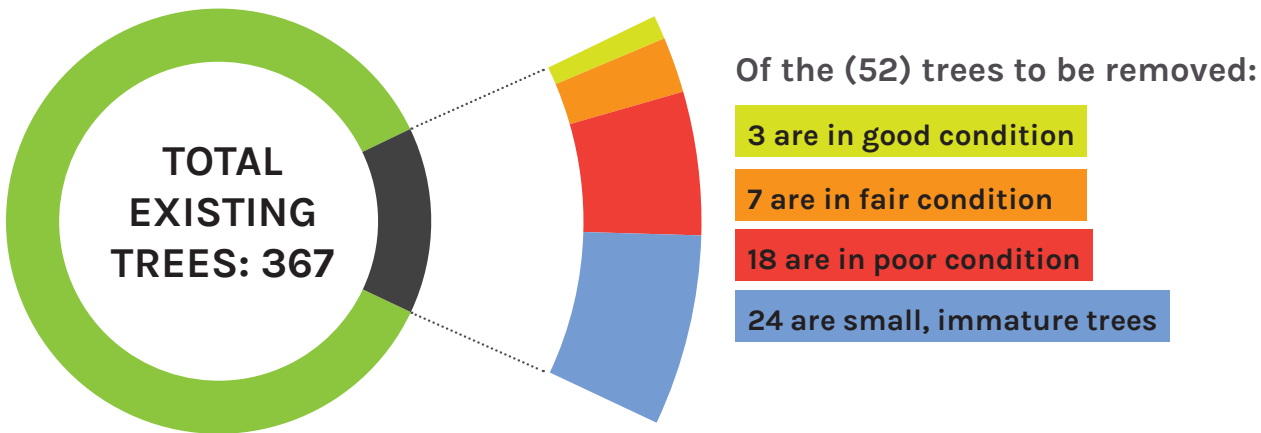


TREE PRESERVATION

No trees to be cut during migratory bird season



Trees to remain and be protected (315)

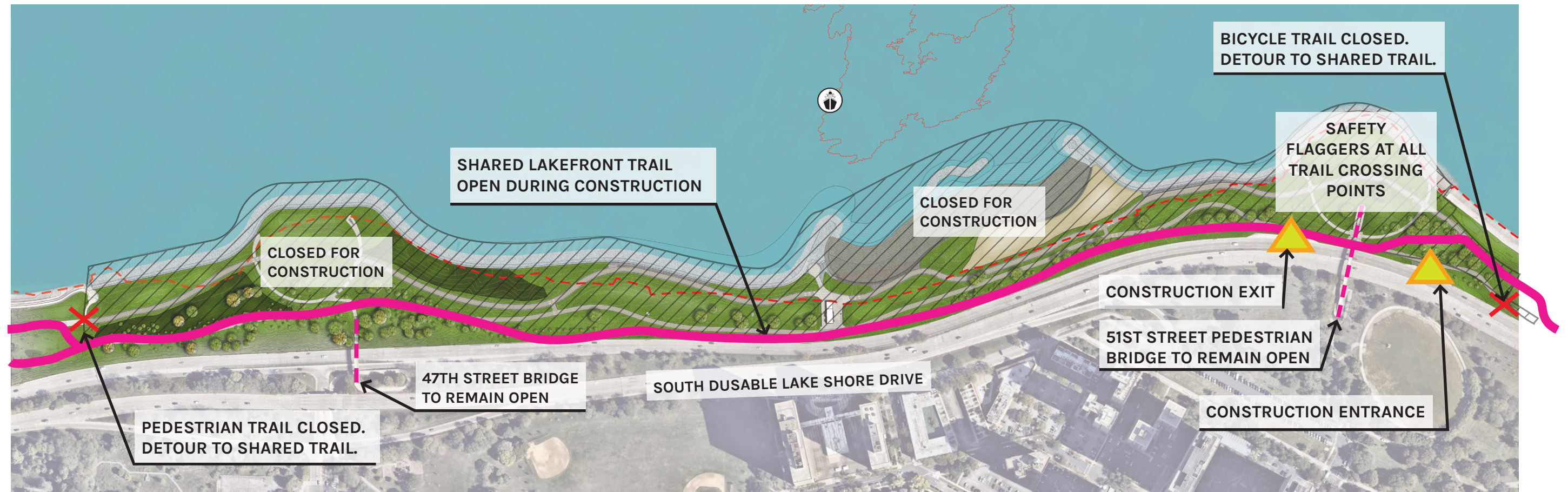


An aerial photograph of Chicago, showing the city skyline in the distance across Lake Michigan. In the foreground, a multi-lane highway (Lake Shore Drive) runs along the shoreline, bordered by green parks and a rocky beach. The water is a deep blue-green color.

CONSTRUCTION PLANNING AND LOGISTICS

PUBLIC BUILDING COMMISSION

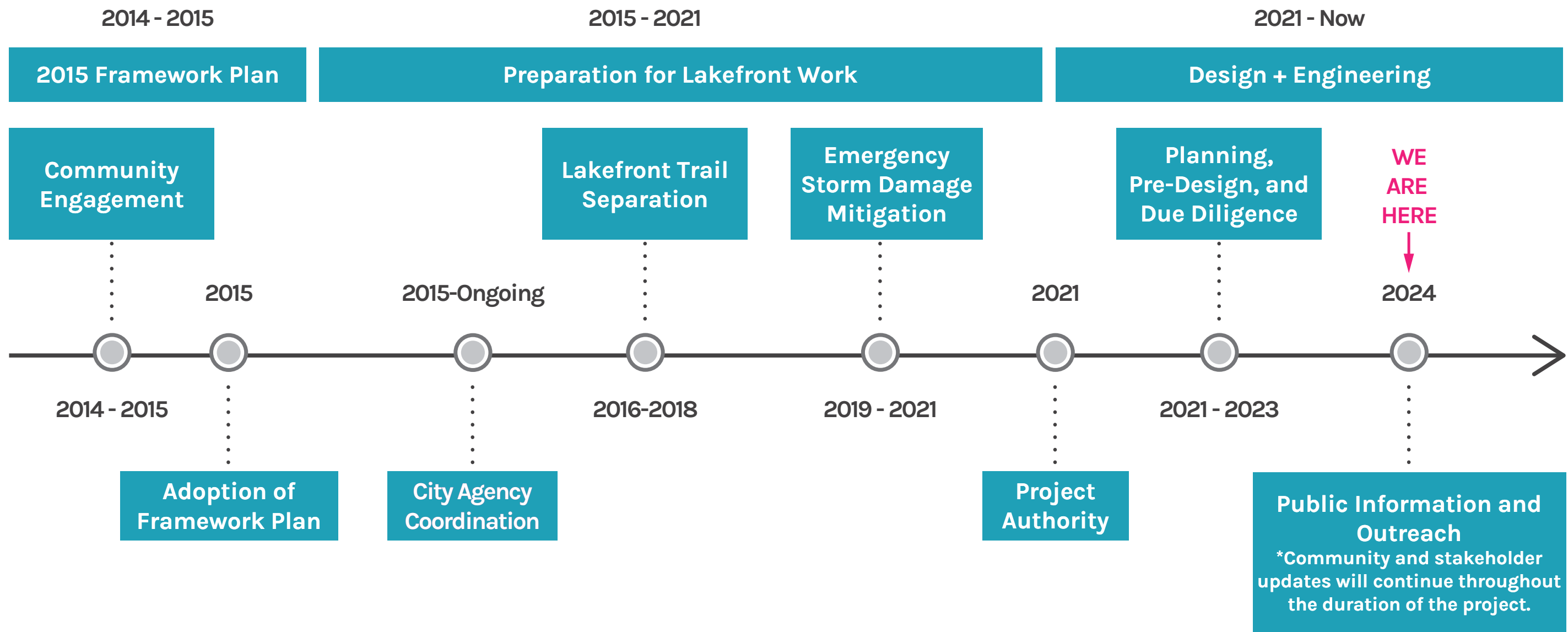
CONSTRUCTION PLANNING AND LOGISTICS



ADDITIONAL CONSIDERATIONS

1. Maintain Shared Bicycle / Pedestrian throughout Construction
2. Defined work areas
3. Establish specific Phasing and Logistics for Construction
4. Establish and Maintain Specific Construction Work Restrictions
 - Shoreline Work: November 1st through April 30th
 - Tree Work: April 1st through September 30th
 - Landscape Planting: Species specific, generally Spring or Fall

PROJECT SCHEDULE TO DATE



LET'S TALK

We want to hear from you! Please visit the team at the different stations and share your thoughts.



1

LET'S TALK ABOUT
COASTAL PROTECTION

4

LET'S TALK ABOUT
SUSTAINABILITY & REUSE

2

LET'S TALK ABOUT
VISITOR EXPERIENCE

5

LET'S TALK ABOUT
CONSTRUCTION LOGISTICS

3

LET'S TALK ABOUT
NATURAL RESOURCES

6

LET'S TALK ABOUT
GENERAL INFORMATION

THANK YOU

We appreciate the active participation and care for the project.
Please submit comment cards to the General Information Station.

For more information, please contact
PBC@PBCChicago.com or call (312) 744-3090
www.pbcchicago.com/projects/morgan-shoal-project

