

East Side Coastal Resiliency

Amphitheater Working Group Meeting

Henry Street Settlement
265 Henry Street - Main Dining Room
August 28, 2019



AGENDA

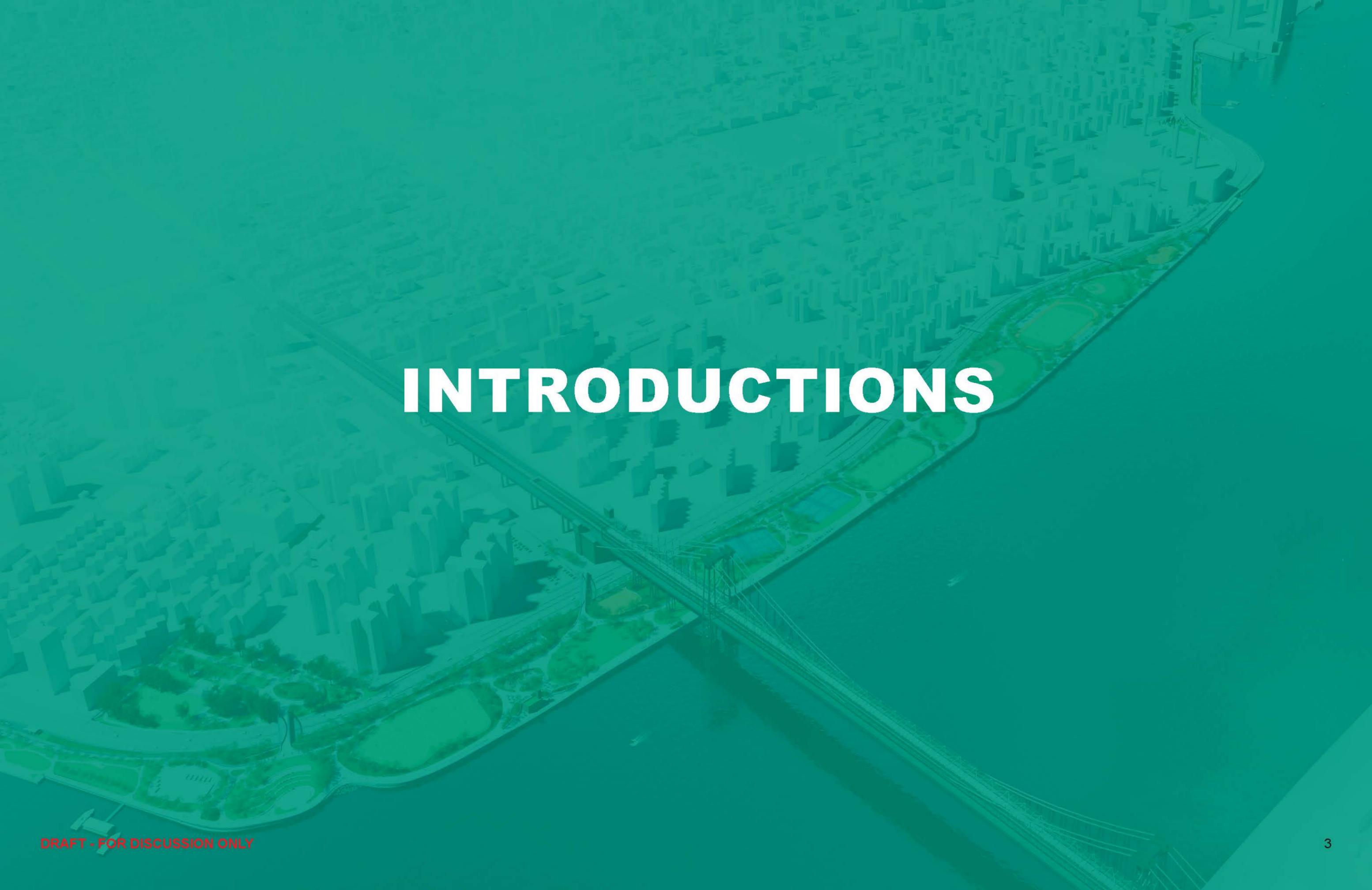
INTRODUCTIONS

ESCR OVERVIEW

EXISTING CONDITIONS

WHAT WE HEARD AND DESIGN UPDATES

DISCUSSION

An aerial architectural rendering of a city waterfront. A large suspension bridge spans across a wide river. On the left bank, there are several green parks and recreational areas, including what appears to be a baseball field. The city buildings are rendered in a light, semi-transparent style, allowing the bridge and parks to be the focal point. The overall color palette is dominated by teal and green tones.

INTRODUCTIONS

DESIGN TEAM

AKRF - Engineering, Acoustics

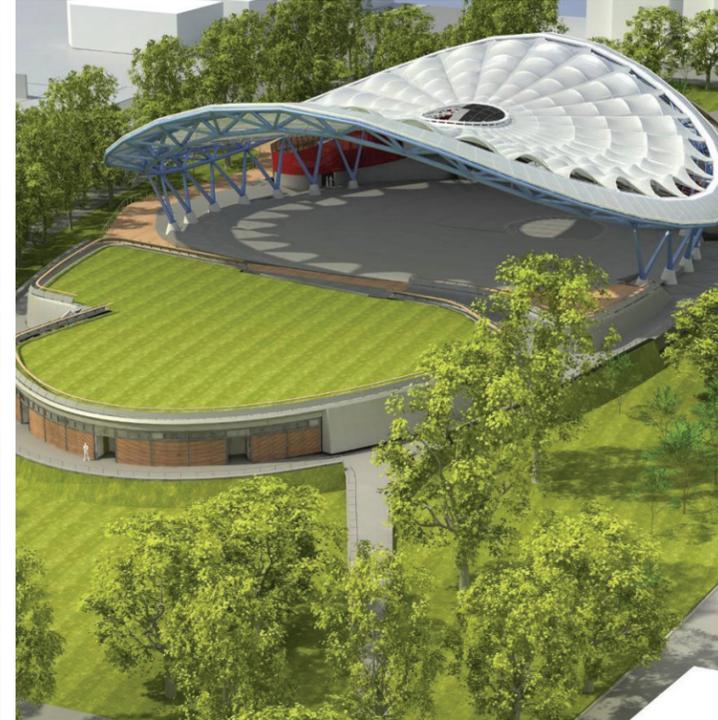


MADISON SQUARE GARDEN, NEW YORK, NY
PHOTO: AJAY SURESH

MNLA - Landscape Architects



PIER 55, NEW YORK, NY

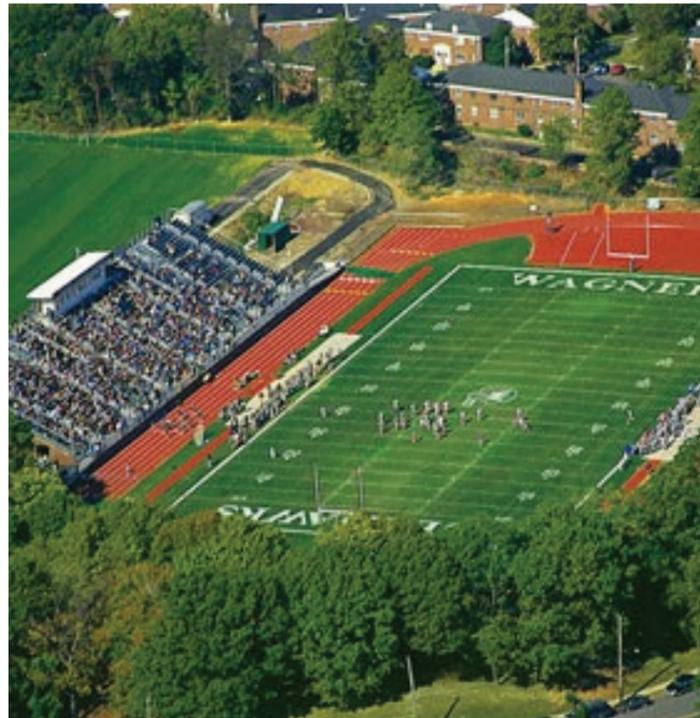


CONEY ISLAND, NY

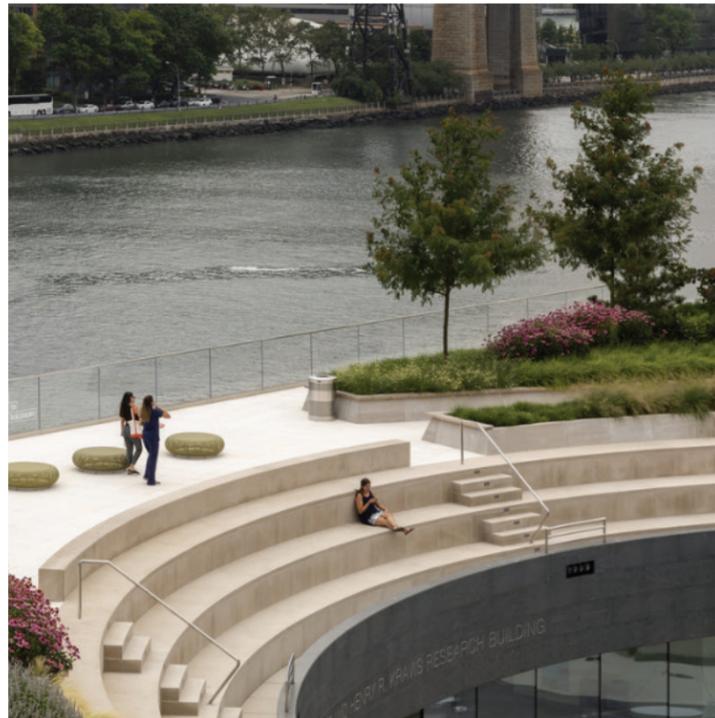
ONE - Architects



DEVENTER RIVIERENWIJK, NETHERLANDS



WAGNER COLLEGE STADIUM, STATEN ISLAND



ROCKFELLER UNIVERSITY, NEW YORK, NY



HUNTS POINT LANDING, BRONX, NY



MOAKLEY PARK, BOSTON, MA (IN PROGRESS)
WITH STOSS LANDSCAPE ARCHITECTS

DRAFT - FOR DISCUSSION ONLY



ESCR PROJECT OVERVIEW

CURRENT PLAN

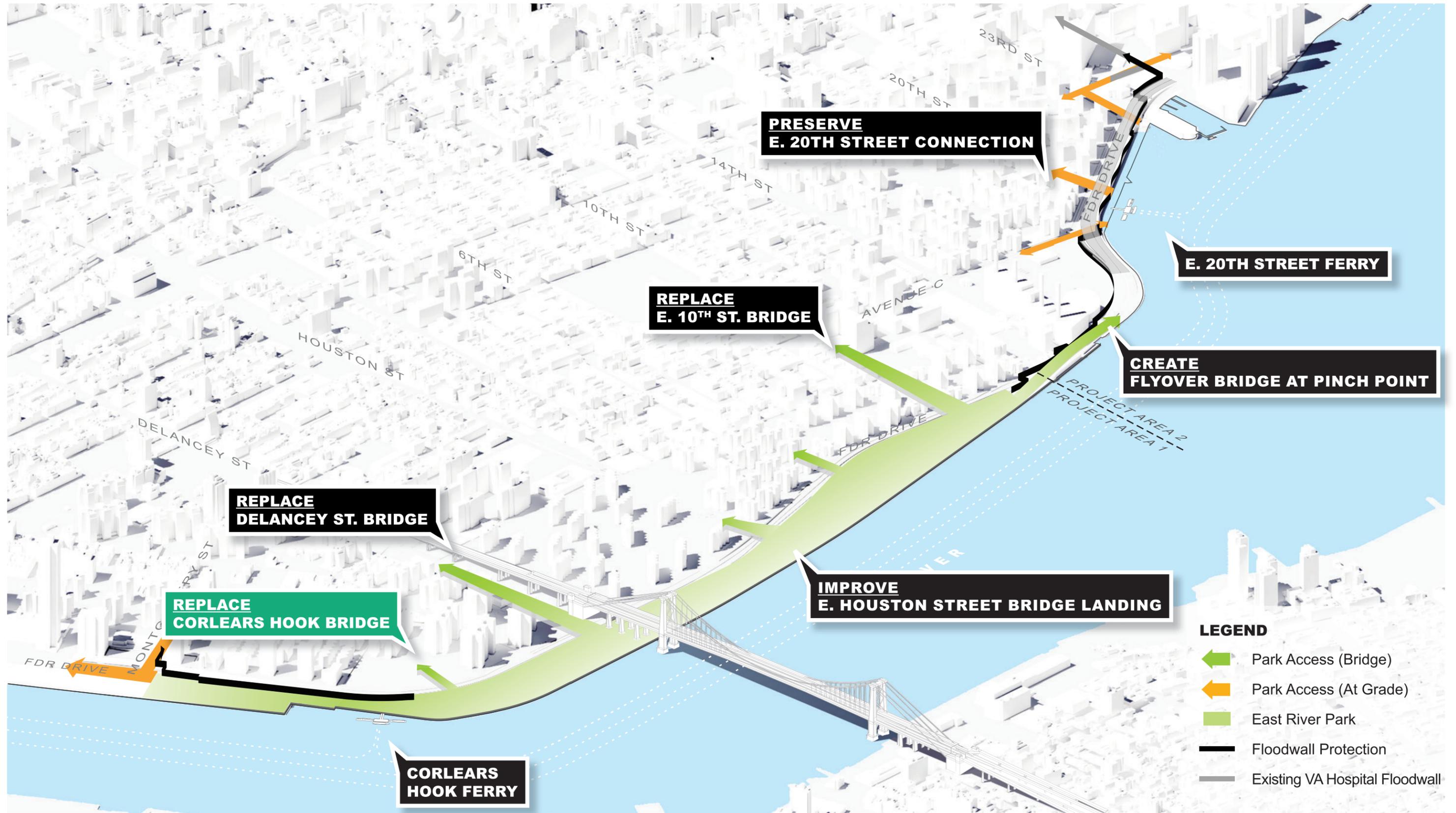
PROJECT OVERVIEW



- **INTEGRATE PASSIVE FLOOD PROTECTION**
- **IMPROVE WATERFRONT ACCESS & OPEN SPACES**
- **ACHIEVE TIMELINE & FUNDING MILESTONES**
- **TIMELY DELIVERY OF FLOOD PROTECTION**

WATERFRONT OPEN SPACES & ACCESS

IMPROVING PARK ACCESS

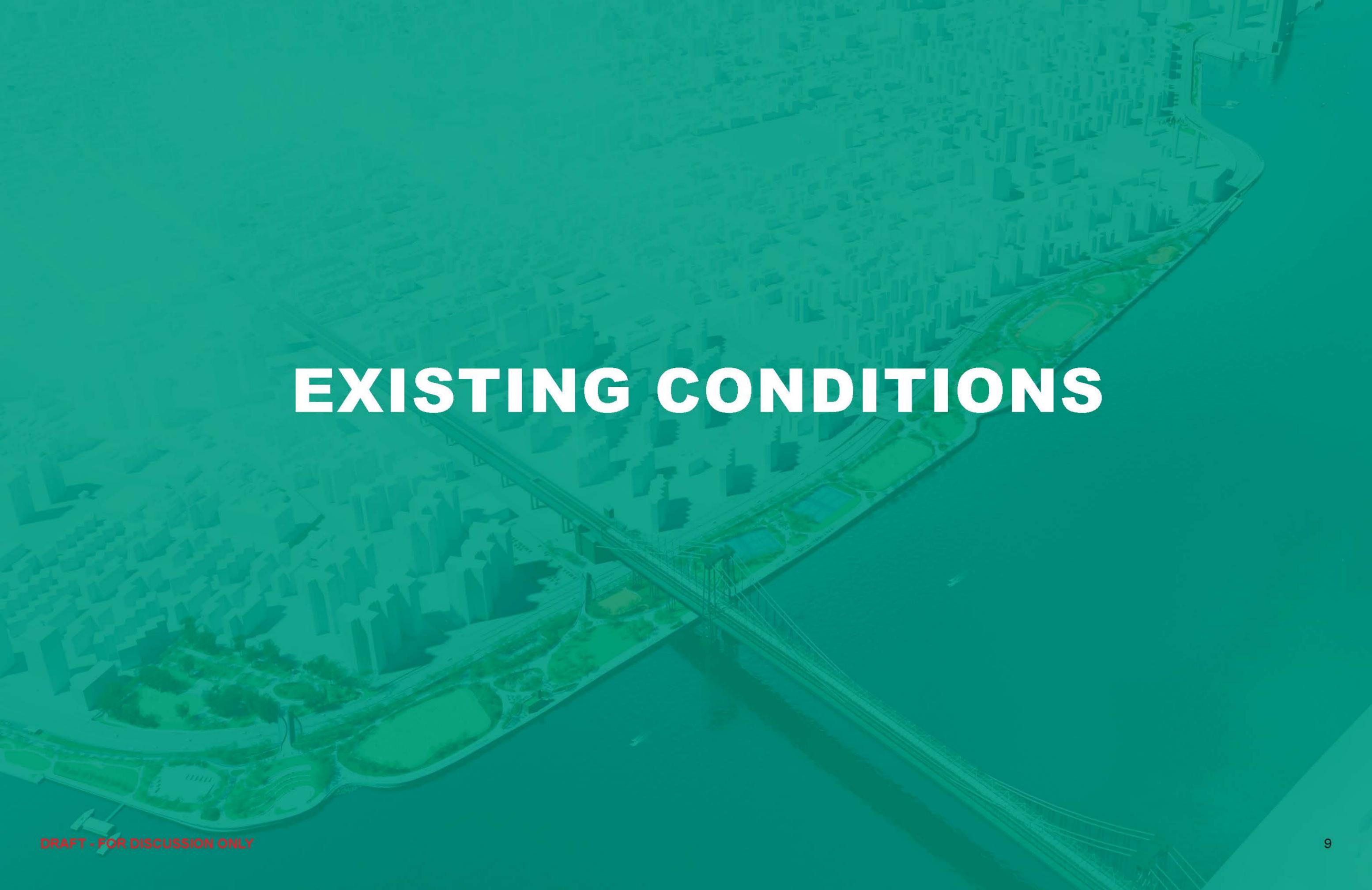


FOCUS AREA: AMPHITHEATER AND CORLEARS HOOK

CURRENT PLAN



DRAFT - FOR DISCUSSION ONLY

An aerial photograph of a city, likely New York City, showing a river and a bridge. The image is overlaid with a teal color filter. The text "EXISTING CONDITIONS" is centered in white, bold, uppercase letters.

EXISTING CONDITIONS

SITE HISTORY

1940's - 1990's

- Built in 1941
- Site of the City's first Shakespeare-in-the-Park series during the 1950s.
- Used for local ceremonies, music and theater events, and school graduations
- Original recreation building and amphitheater deteriorated over time and closed in 1980's



ORIGINAL EAST RIVER PARK AMPHITHEATER & RECREATION CENTER, 1941

SITE HISTORY

2001 - PRESENT

- Amphitheater was restored by city in 2001 as part of efforts to revitalize lower Manhattan
- Recreation building was removed, leaving open view through bandshell to river
- Metal canopy structure added
- Current amphitheater is the site of concerts, music events, dance events, and community celebrations



AMPHITHEATER TODAY

EXISTING AERIAL

AMPHITHEATER AND CORLEARS HOOK BRIDGE

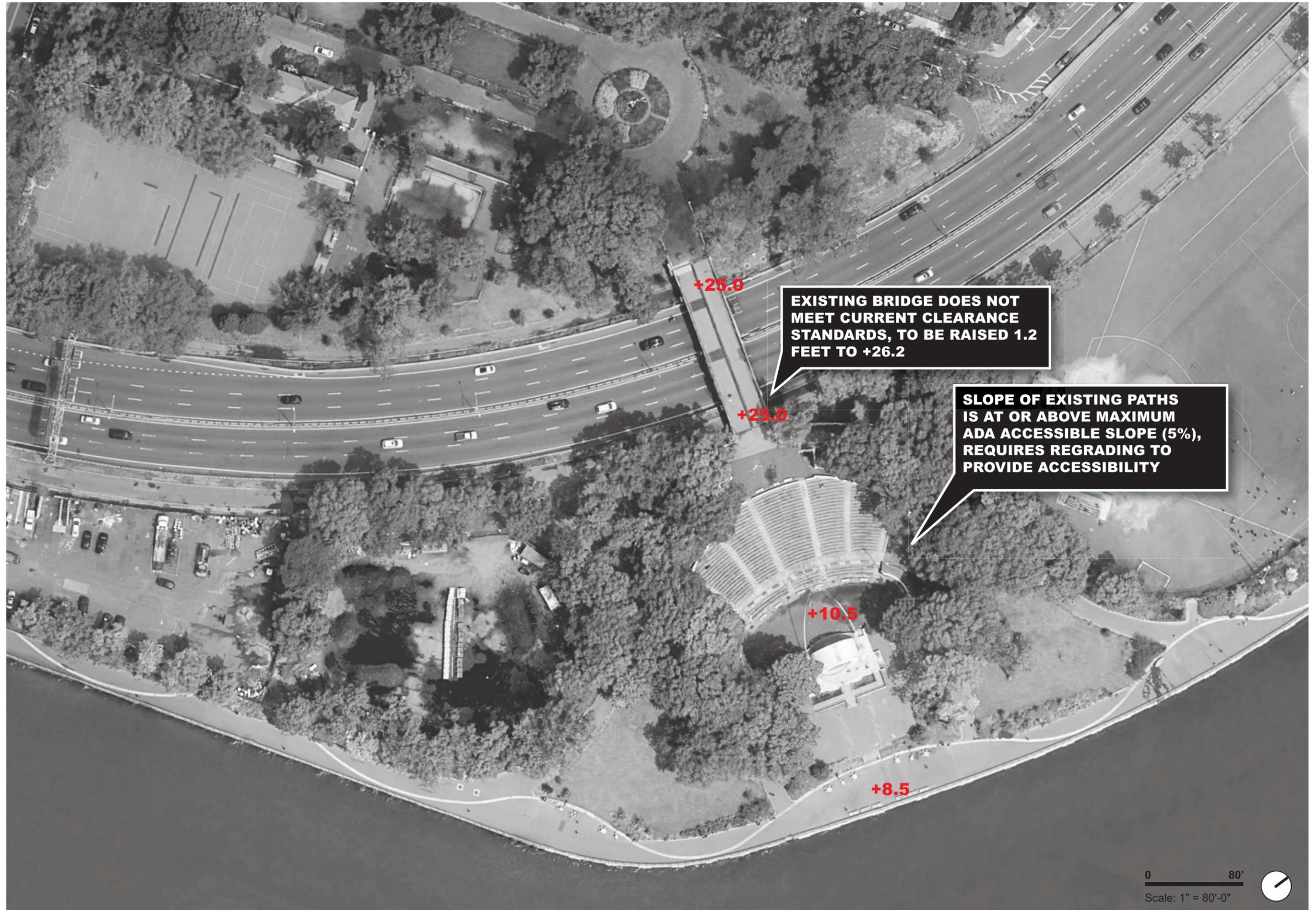


0 100'
Scale: 1" = 100'-0"



EXISTING CONDITION ANALYSIS

CORLEARS HOOK BRIDGE CONDITION



+25.0 = EXISTING GRADE

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0 80'
Scale: 1" = 80'-0"



EXISTING CONDITION ANALYSIS

CORLEARS HOOK BRIDGE CONDITION



PLANTERS PREVENT PARKS VEHICULAR ACCESS

BRIDGE IS IN POOR CONDITION AND DOWNGRADED FROM VEHICULAR USE



LOW 12'-8" CLEARANCE DOES NOT MEET CURRENT STANDARDS

12'-8"

CLEARANCE TO BE RAISED TO 14'-6"

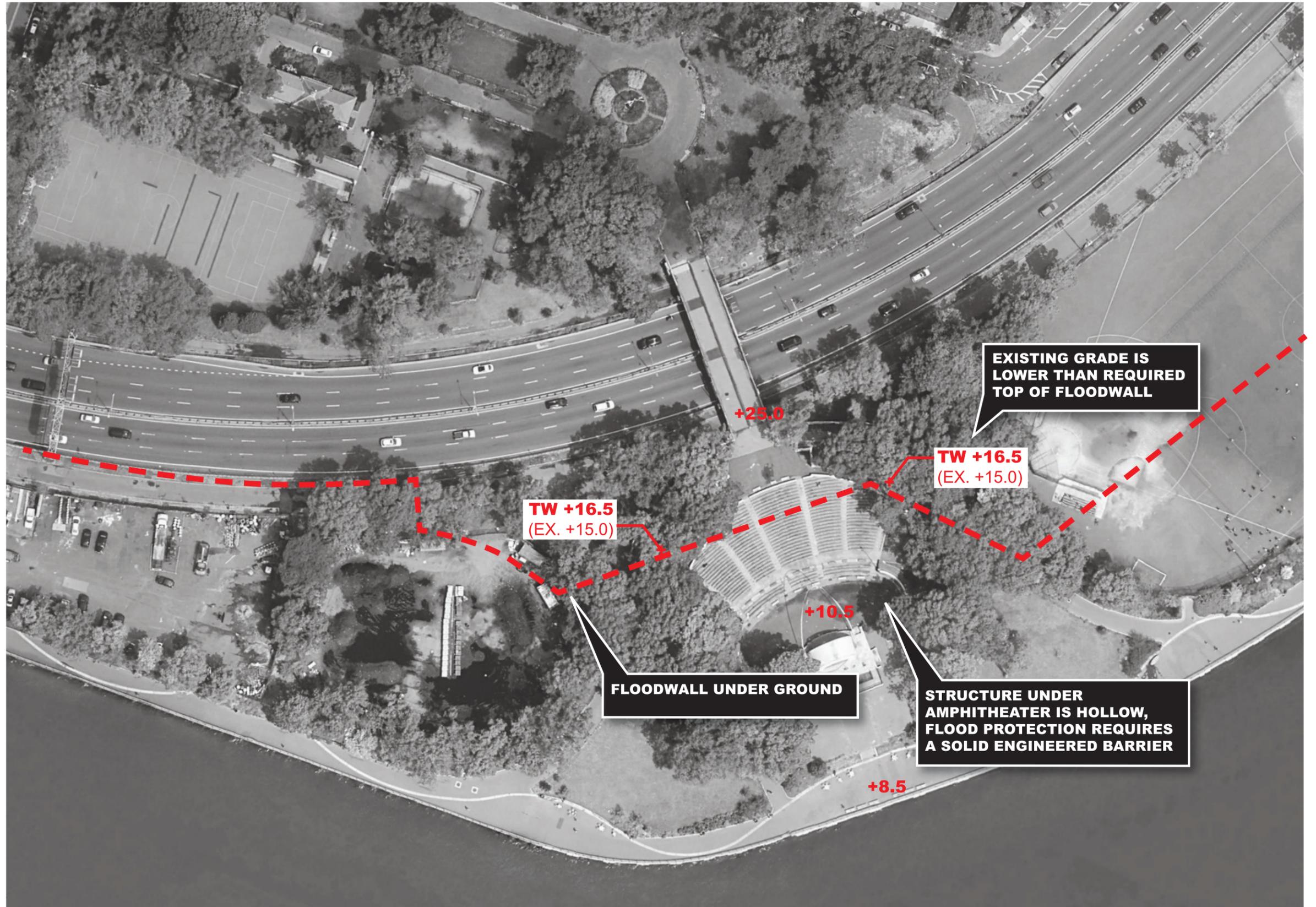
25.0

EXISTING CONDITION ANALYSIS

FLOOD PROTECTION

LEGEND

--- PROPOSED FLOODWALL



EXISTING CONDITION ANALYSIS

AMPHITHEATER



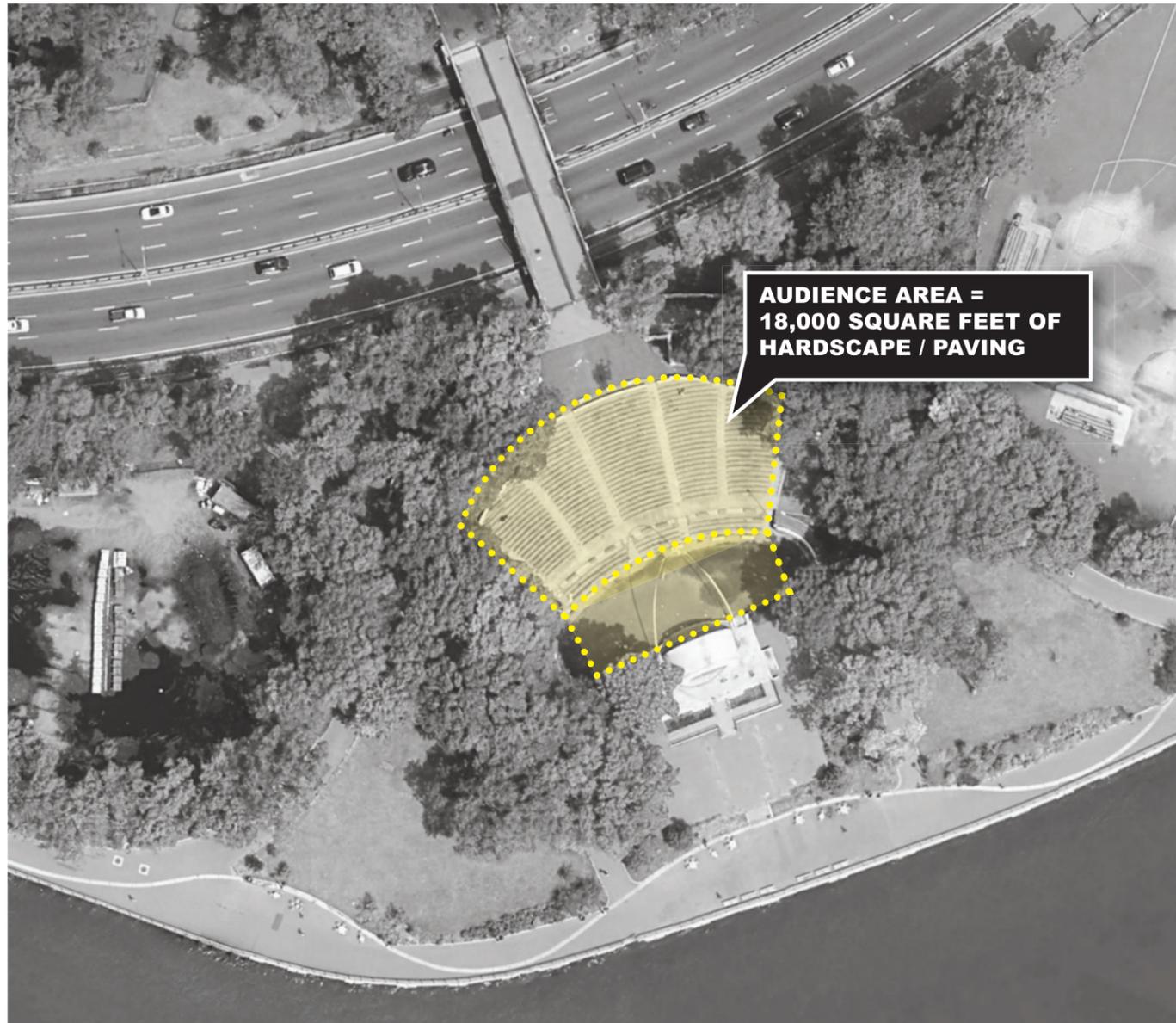
EXISTING CONDITION ANALYSIS

AMPHITHEATER



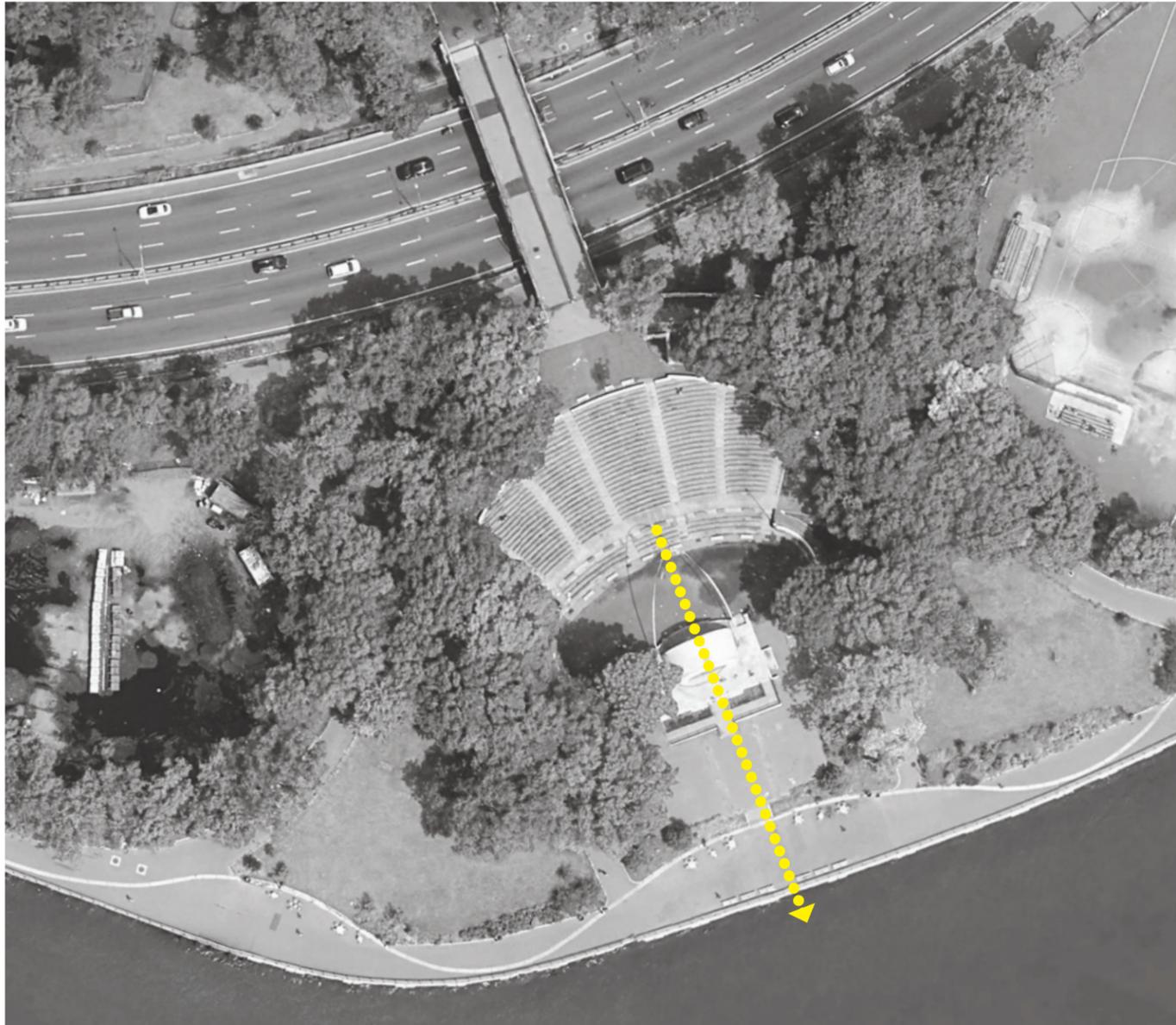
EXISTING CONDITION ANALYSIS

AMPHITHEATER



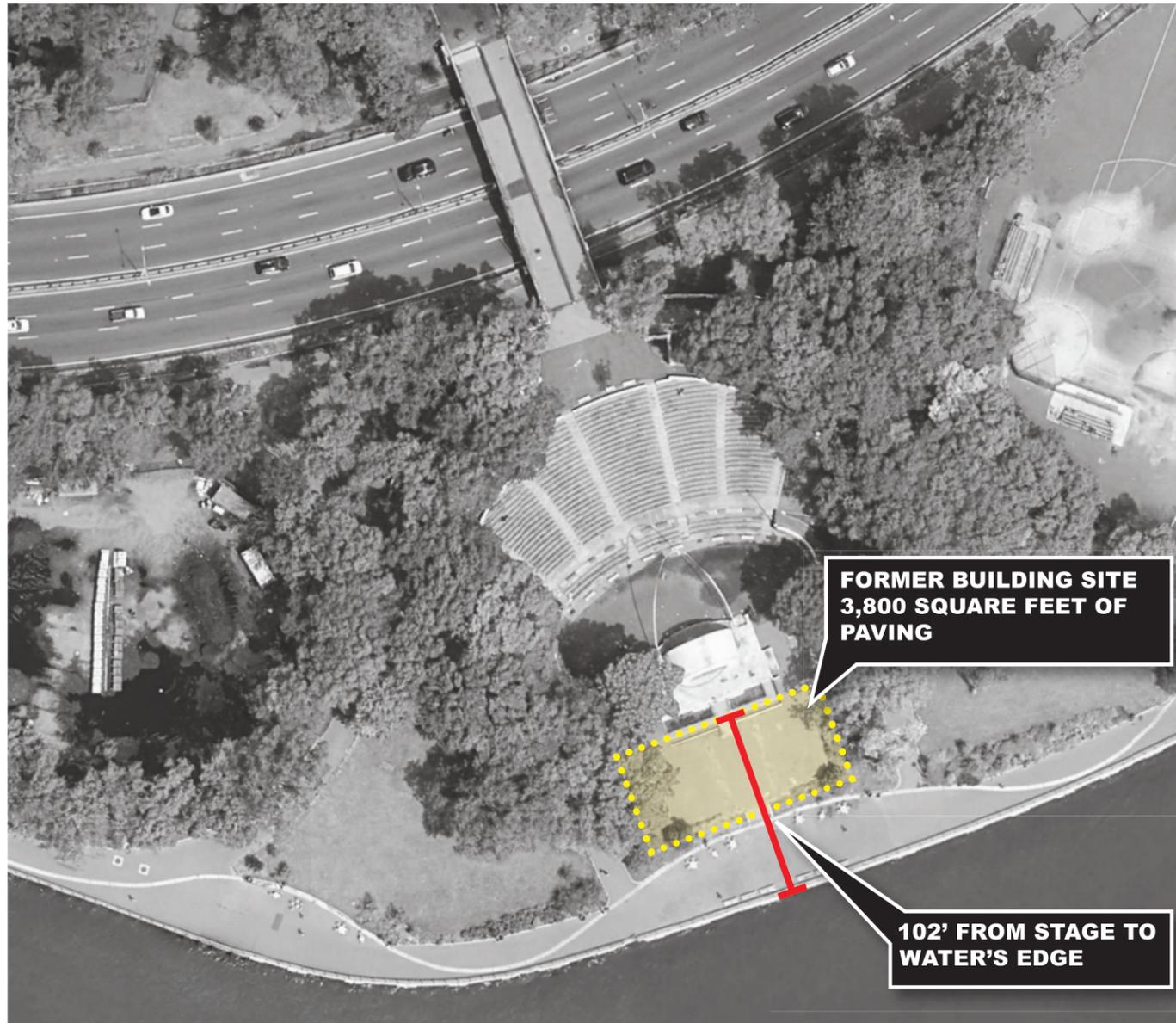
EXISTING CONDITION ANALYSIS

AMPHITHEATER



EXISTING CONDITION ANALYSIS

AMPHITHEATER



WHAT WE HEARD & DESIGN UPDATES

- SEATING AND ACCESSIBILITY
- CAPACITY
- ACOUSTICS
- EVENT NEEDS: RESTROOMS
- EVENT NEEDS: POWER
- EVENT NEEDS: LOADING
- STAKEHOLDER COORDINATION
- SITE DESIGN UPDATES
- STRUCTURE

SITE DESIGN UPDATES

PREVIOUS DRAFT PLAN SHOWN AT MARCH 2019

AMPHITHEATER WORKING GROUP MEETING

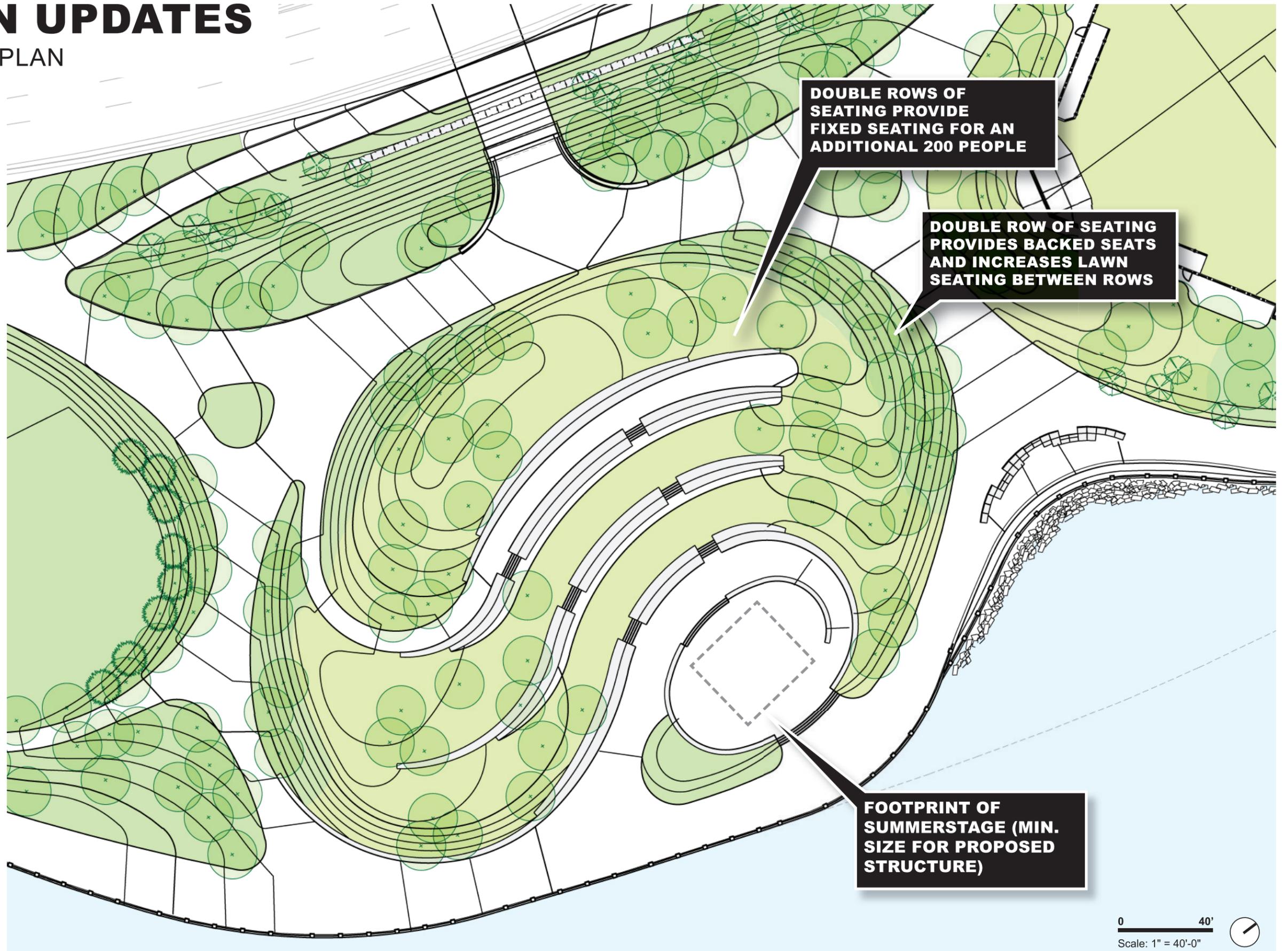


0 40
Scale: 1" = 40'-0"



SITE DESIGN UPDATES

CURRENT PROPOSED PLAN



DOUBLE ROWS OF SEATING PROVIDE FIXED SEATING FOR AN ADDITIONAL 200 PEOPLE

DOUBLE ROW OF SEATING PROVIDES BACKED SEATS AND INCREASES LAWN SEATING BETWEEN ROWS

FOOTPRINT OF SUMMERSTAGE (MIN. SIZE FOR PROPOSED STRUCTURE)

0 40'
Scale: 1" = 40'-0"



WHAT WE HEARD: SEATING AND ACCESSIBILITY

- Provide ADA accessibility to stage and audience
- Provide backed seating to accommodate all ages

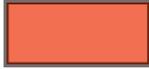


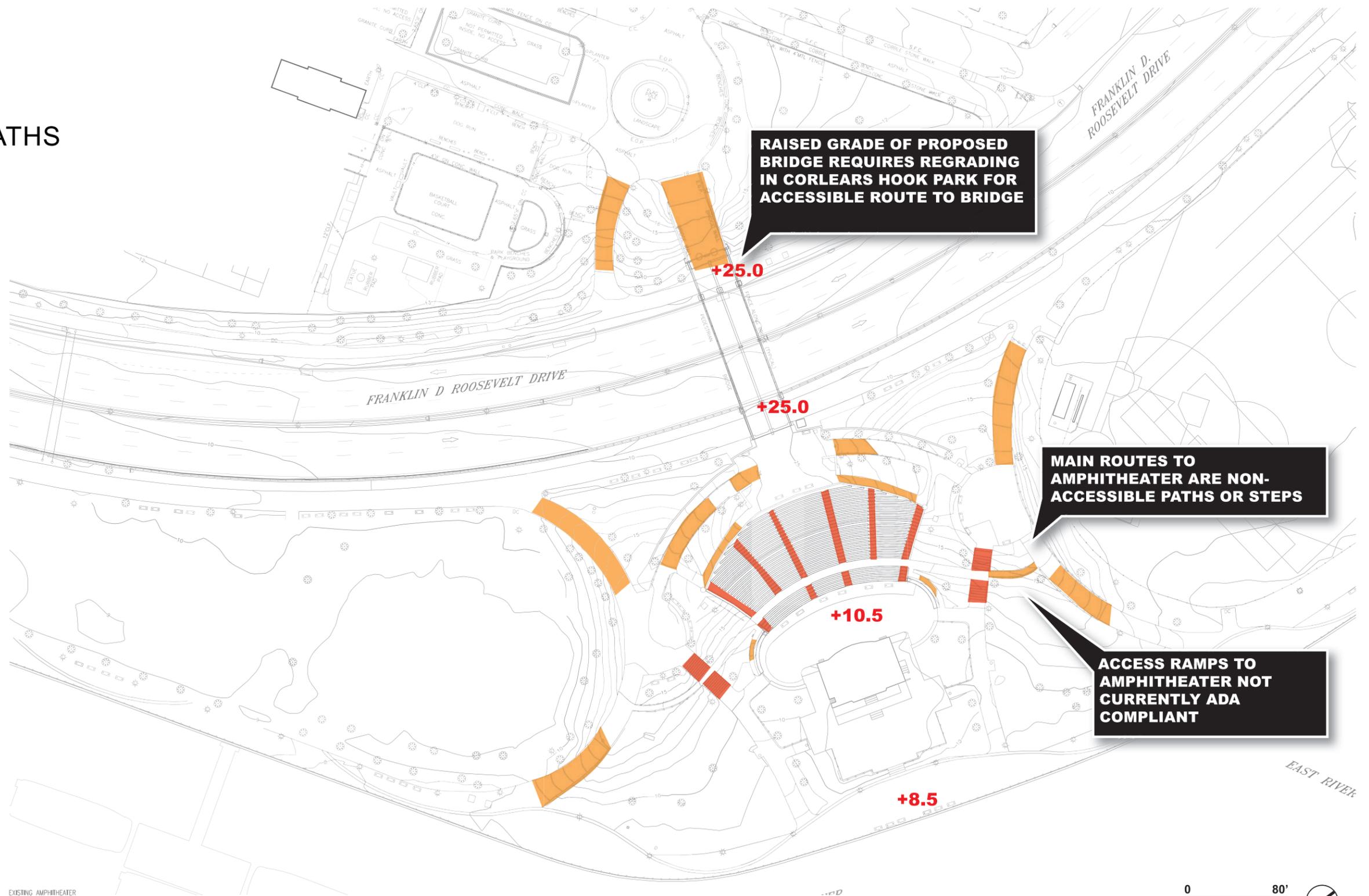
SEATING AND ACCESSIBILITY

EXISTING ACCESSIBILITY

LEGEND

 NON-ADA ACCESSIBLE PATHS

 STEPS



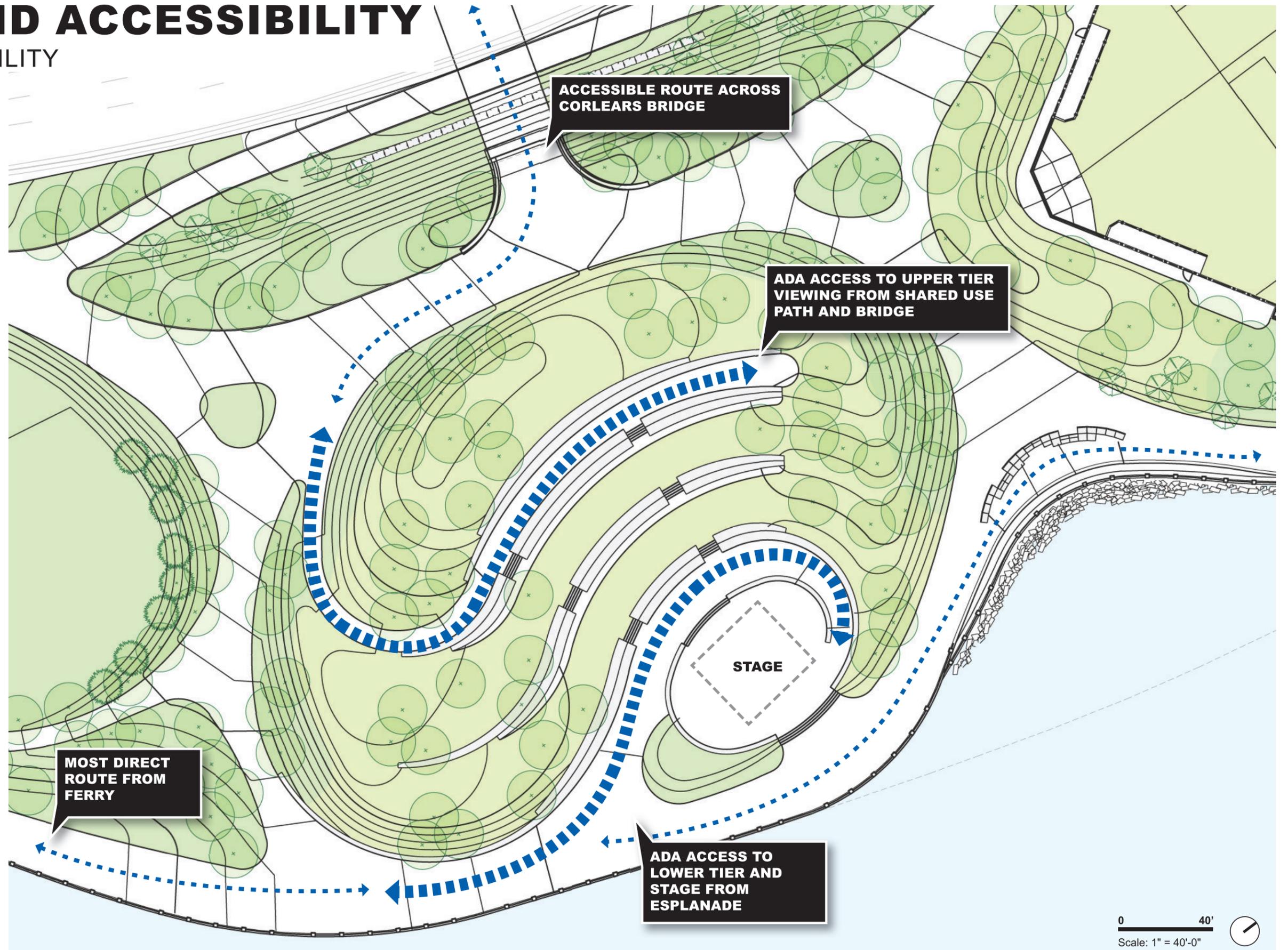
EXISTING AMPHITHEATER

0 80'
Scale: 1" = 80'-0"



SEATING AND ACCESSIBILITY

PROPOSED ACCESSIBILITY



SEATING AND ACCESSIBILITY

BACKED SEATING

SEAT WALL CAPACITY = 750 PEOPLE

- 1,250 LF OF SEATING WALLS / 20" PER PERSON
- 44% BACKED SEATING - SEATING FOR 330 PEOPLE
- ACCESSIBLE FOR THE ELDERLY / MOBILITY IMPAIRED - 110 PEOPLE

HARDSCAPE CAPACITY = 180 PEOPLE

- 2,200 SF / 12 SF PER PERSON
- FOR TEMPORARY CHAIRS

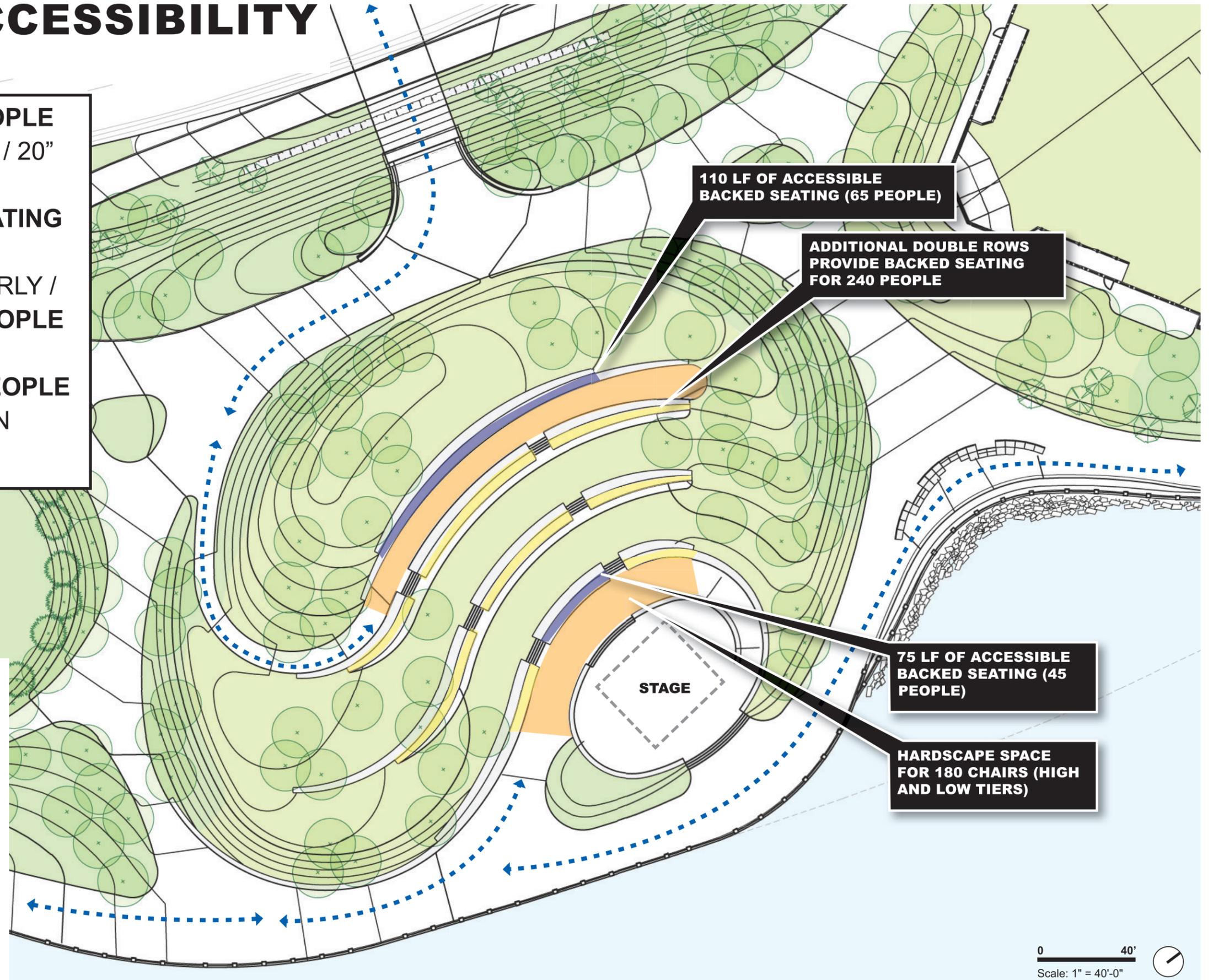
LEGEND

 ACCESSIBLE BACKED SEATING

 BACKED SEATING

 HARDSCAPE

 ACCESSIBLE PATH



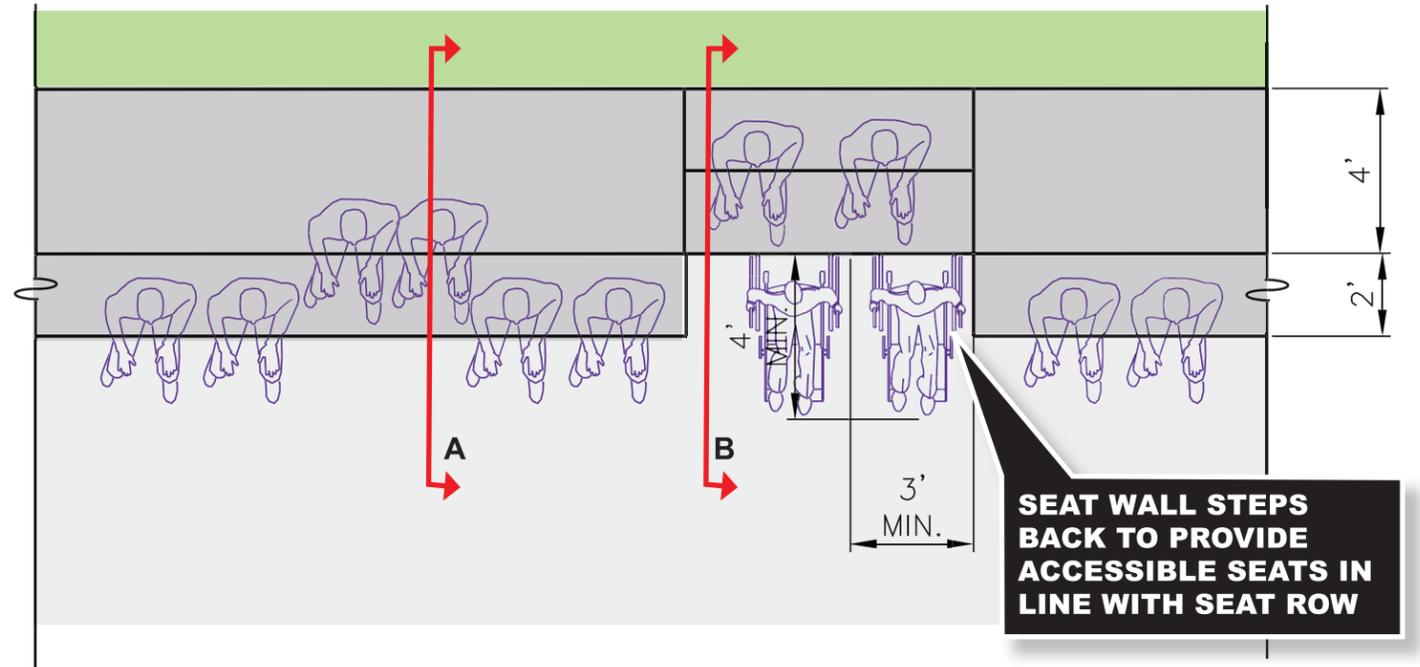
SEATING AND ACCESSIBILITY

BACKED SEATING

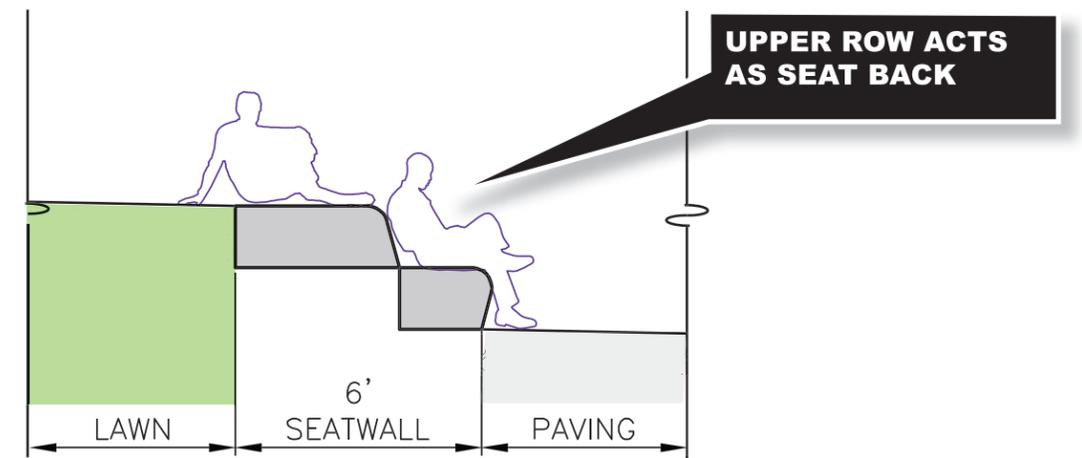
VIEW



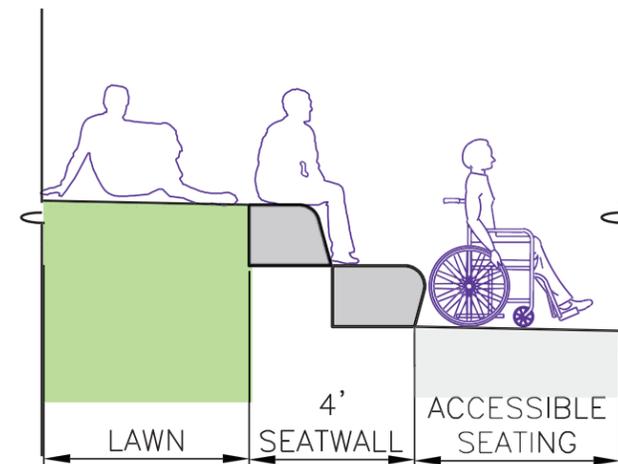
PLAN



SECTION A



SECTION B



WHAT WE HEARD: CAPACITY

- **Provide capacity for large and small events**



CAPACITY

PERMITTED EVENT SIZE AT EAST RIVER PARK

AVERAGE PERMITTED EVENT SIZE,
2018:

90 PEOPLE

AVERAGE PERMITTED EVENT SIZE,
2019:

108 PEOPLE

(AVERAGES EXCLUDE SUMMERSTAGE
AND MAHAVISHNU CONCERT)

**2-3 EVENTS OF 1000+ PEOPLE
(SUMMERSTAGE, MAHAVISHNU
CONCERT)**

EVENT TYPES:

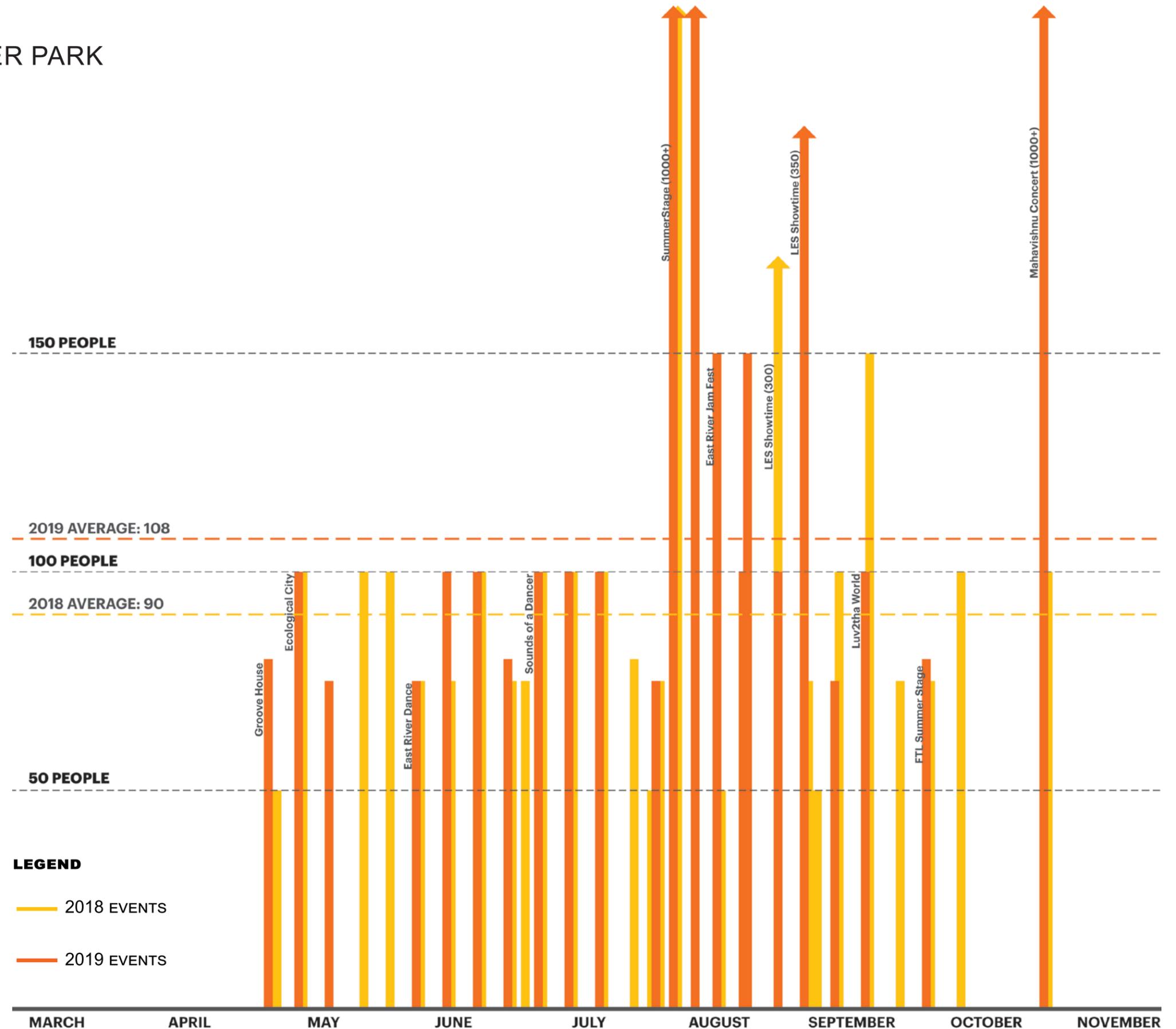
CONCERTS

MUSIC

DANCE

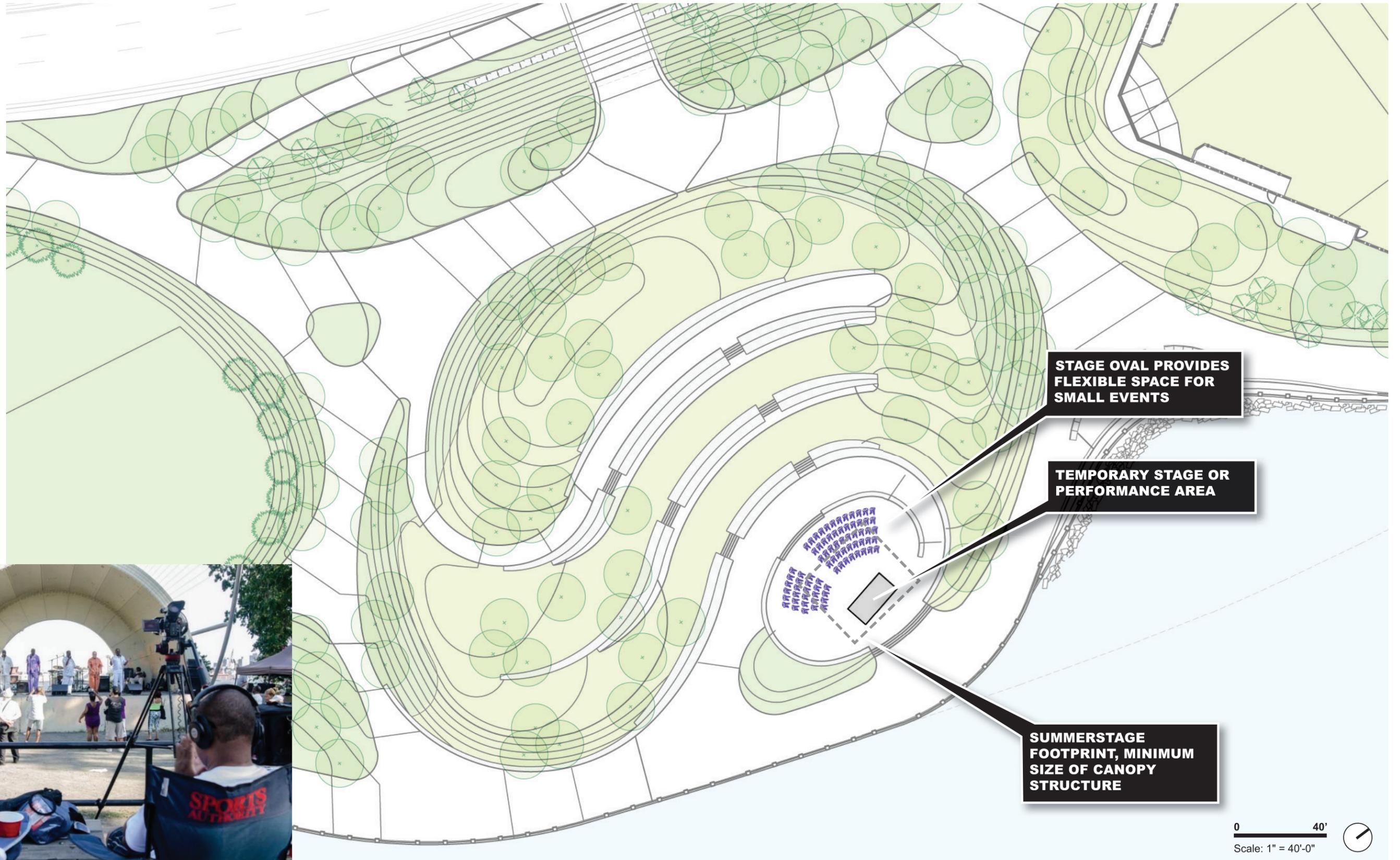
FESTIVAL / PROMOTIONAL

Note: Event organizers submit estimates of event attendance for permits, however actual attendance may vary. Data on non-permitted or informal events is not captured above.



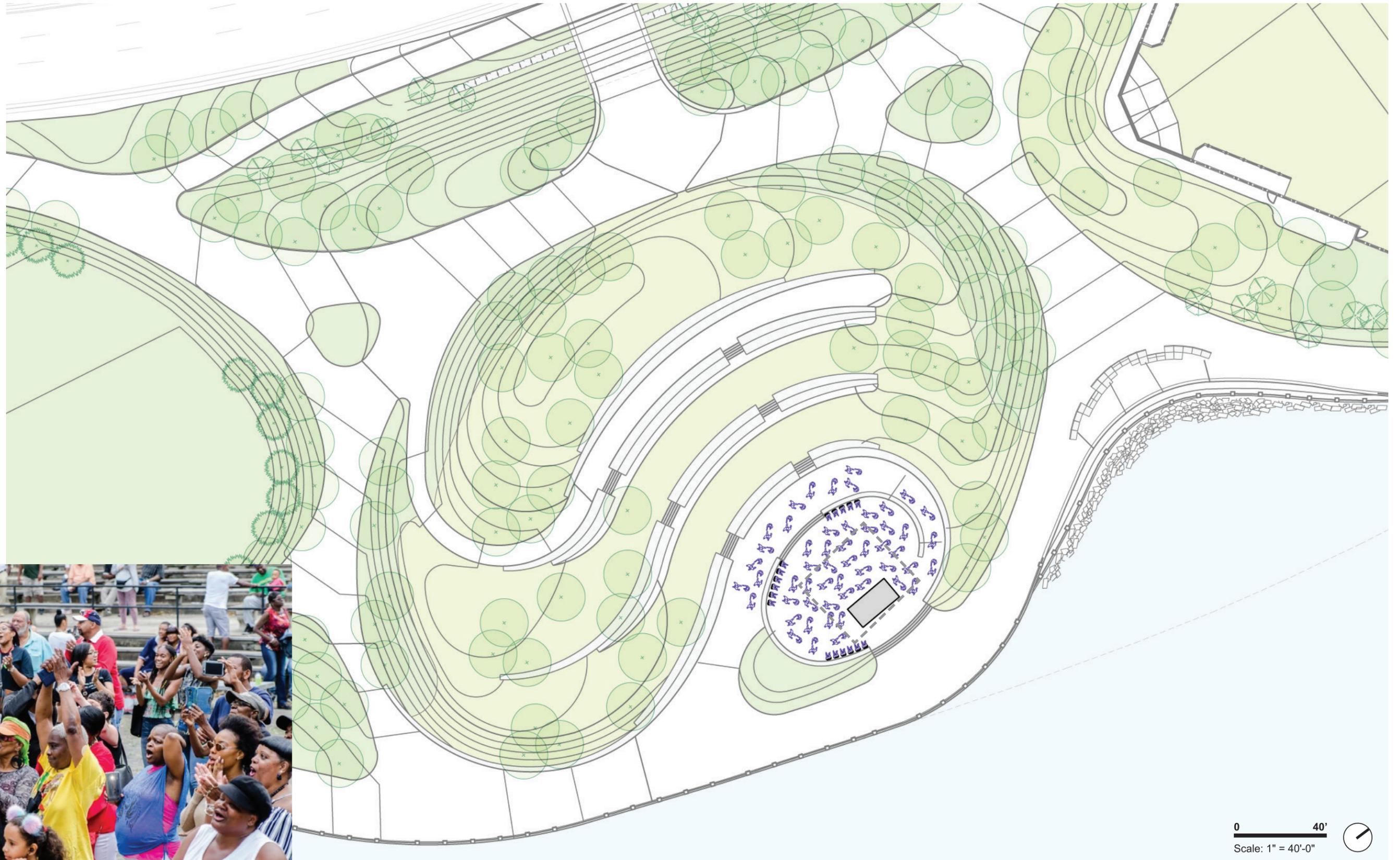
CAPACITY

SMALL CONCERT, 75 PEOPLE



CAPACITY

DANCE EVENT, 125 PEOPLE



CAPACITY

AVERAGE CONCERT, 200 PEOPLE



CAPACITY

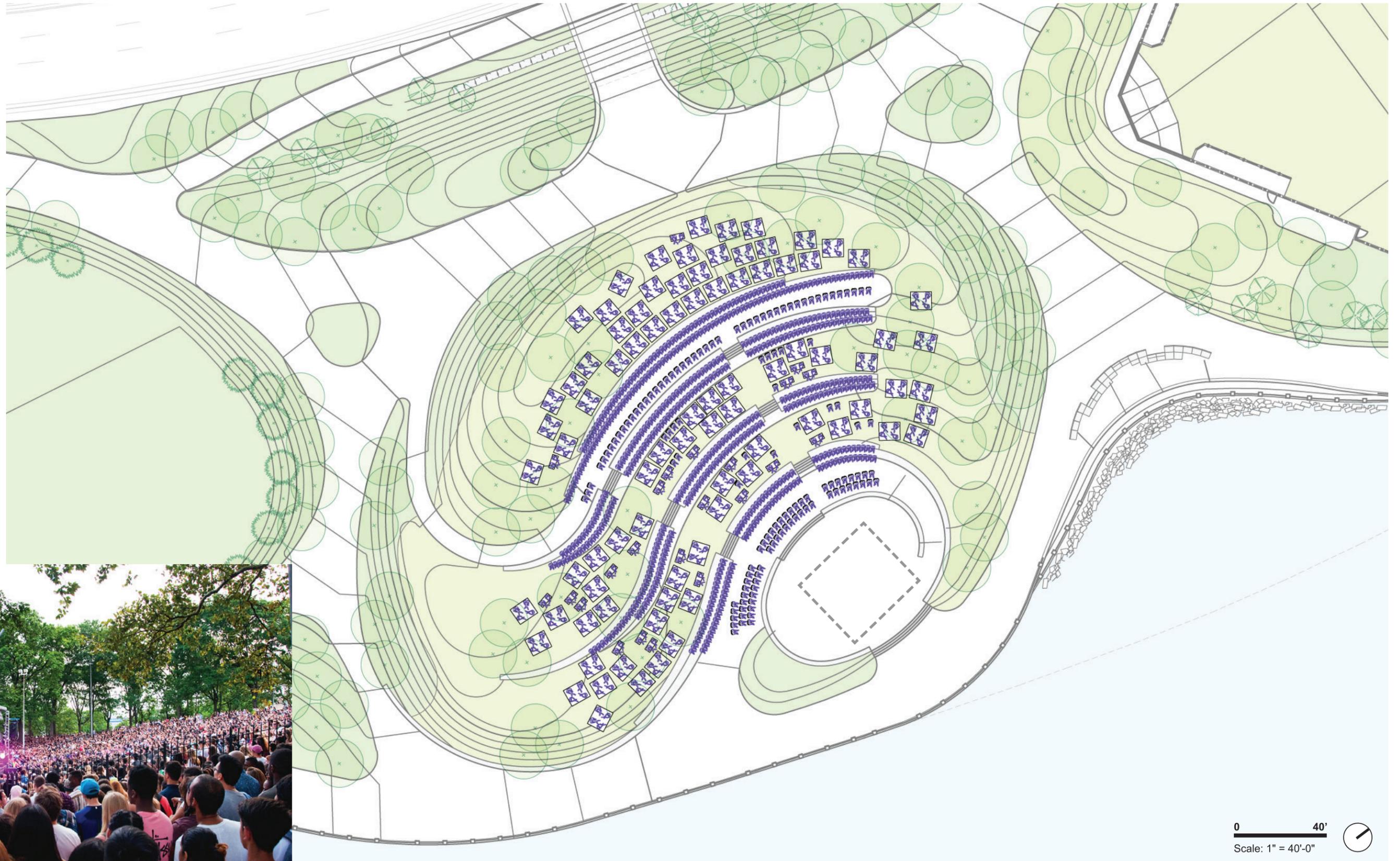
LARGE CONCERT, 500 PEOPLE



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CAPACITY

SUMMERSTAGE CONCERT, 1000+ PEOPLE



WHAT WE HEARD: ACOUSTICS

- **Noise is a major concern for neighbors**
- **Acoustic analysis should inform design**
- **Solutions to noise issues will involve noise regulation through Parks rules**



ACOUSTICS

AMPHITHEATER ACOUSTICAL STUDY STATUS

- Amphitheater Acoustical Noise Study Underway, including:
 - Baseline Amphitheater Noise Monitoring (Noise Measurements) were taken in May 2019 (with and without events occurring)
- Existing Condition Noise Model has been Created and Calibrated using existing noise measurements
- Noise Model representing proposed Amphitheater Design in progress
- Acoustical Study will evaluate viability and effectiveness of noise reduction measures, including:
 - Sound system restrictions
 - Time Restrictions
 - Physical Barriers
 - Acoustical treatments
- Noise Level Control Points with allowable maximum noise levels will be established to provide compliance criteria for enforcement

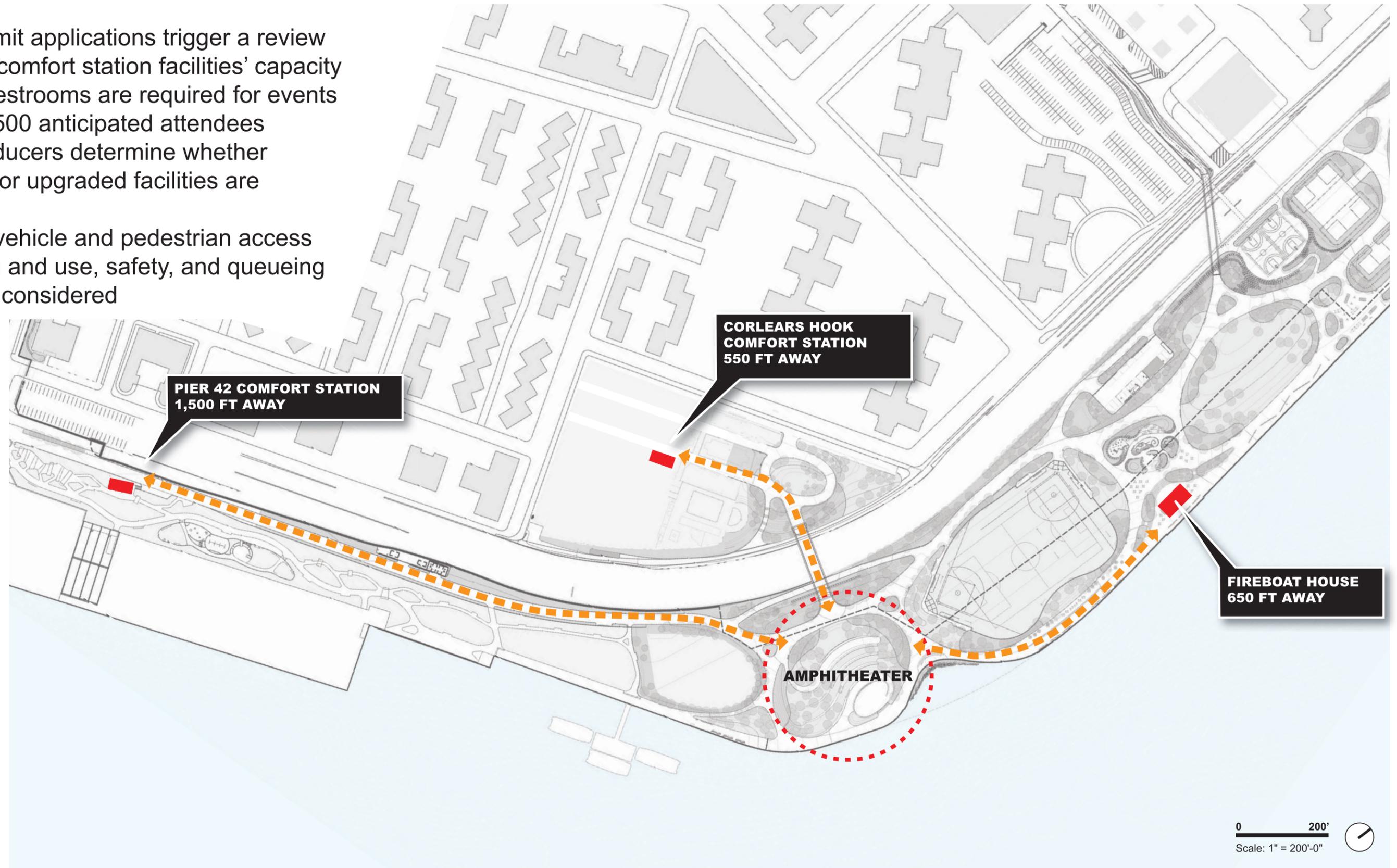
WHAT WE HEARD: RESTROOMS

- **Lack of nearby restroom facilities is an issue**



RESTROOMS

- Large permit applications trigger a review of nearby comfort station facilities' capacity
- Portable restrooms are required for events with over 500 anticipated attendees
- Event producers determine whether additional or upgraded facilities are necessary
- Location, vehicle and pedestrian access for loading and use, safety, and queueing space are considered



WHAT WE HEARD: POWER

- **Provide electric power for small events**



POWER

- 34" wide x 10" tall electrical cabinet mounted in amphitheater stage wall
- Accessible by permitted events, locked at other times

PRECEDENT IMAGES

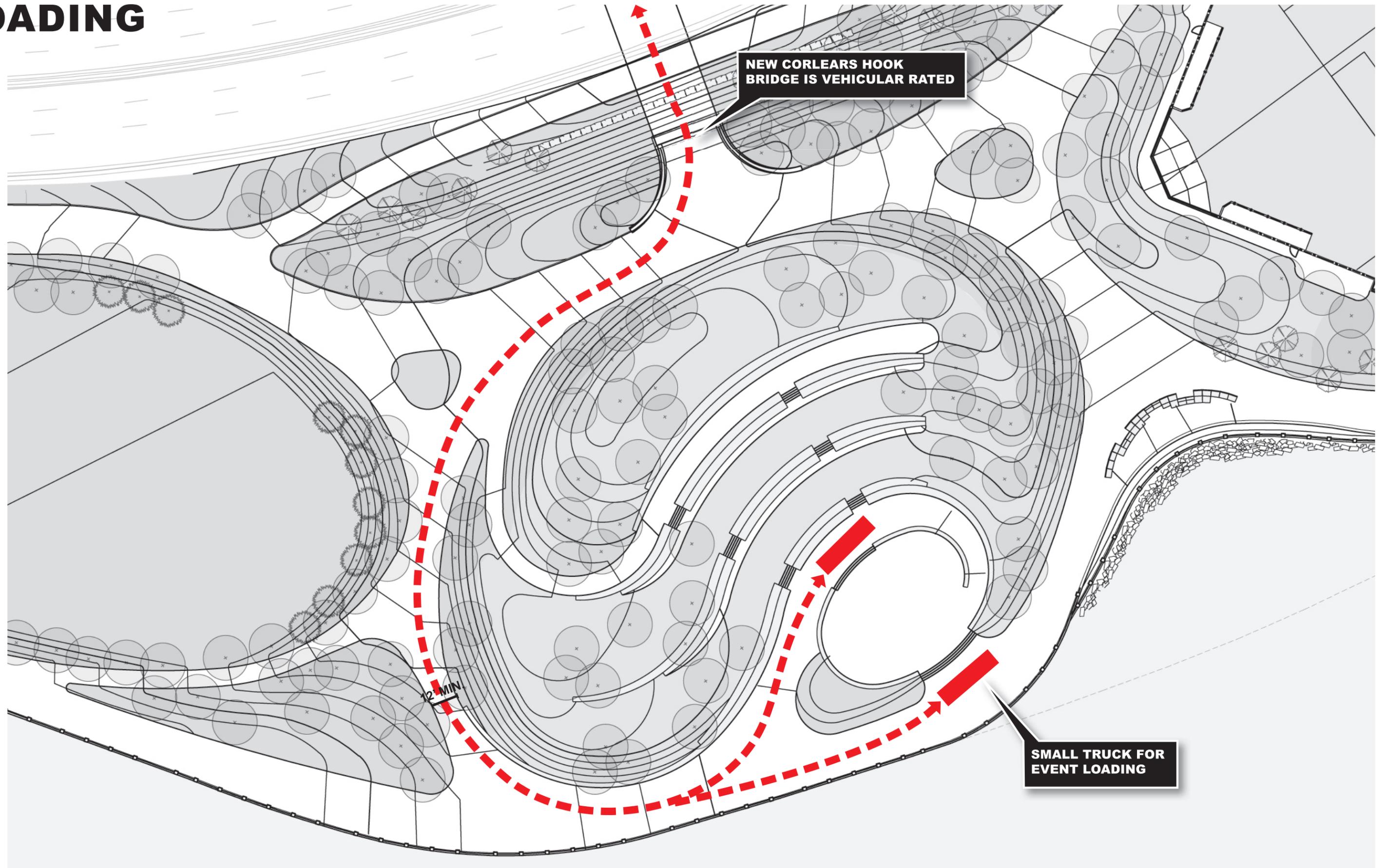


WHAT WE HEARD: LOADING

- **Improve vehicular loading access to stage**



LOADING



WHAT WE HEARD: STAKEHOLDER COORDINATION

- **Get feedback from event / activity organizers and users**
- **Speak to DCLA**



SITE DESIGN UPDATES

SITE DESIGN UPDATES

PROPOSED PLAN

TOTAL SIZE = +/-40,000 SF
TOTAL CAPACITY = +/-2,000 PEOPLE

LAWN CAPACITY= 1,070 PEOPLE

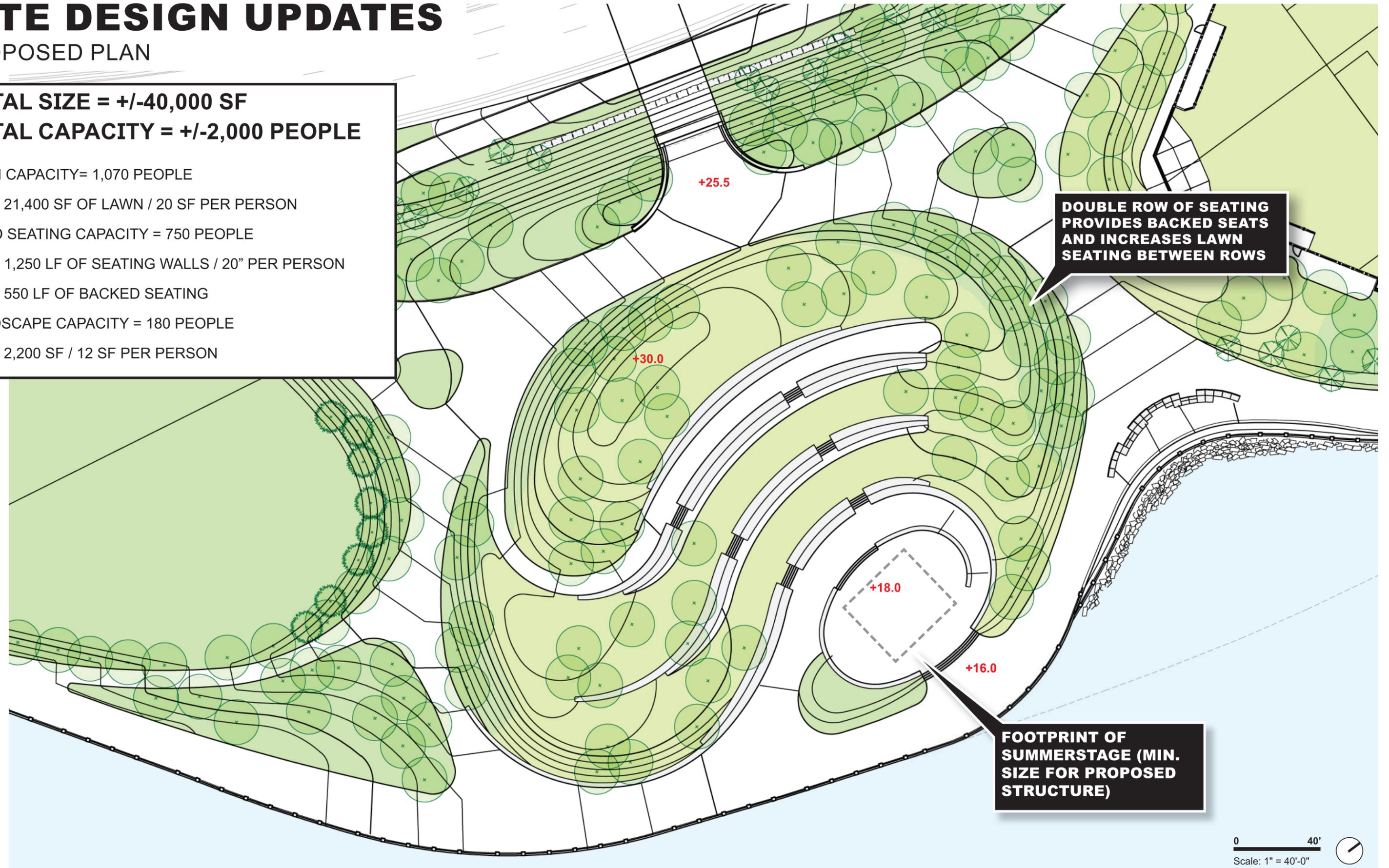
- 21,400 SF OF LAWN / 20 SF PER PERSON

FIXED SEATING CAPACITY = 750 PEOPLE

- 1,250 LF OF SEATING WALLS / 20" PER PERSON
- 550 LF OF BACKED SEATING

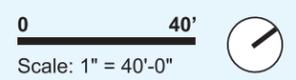
HARDSCAPE CAPACITY = 180 PEOPLE

- 2,200 SF / 12 SF PER PERSON



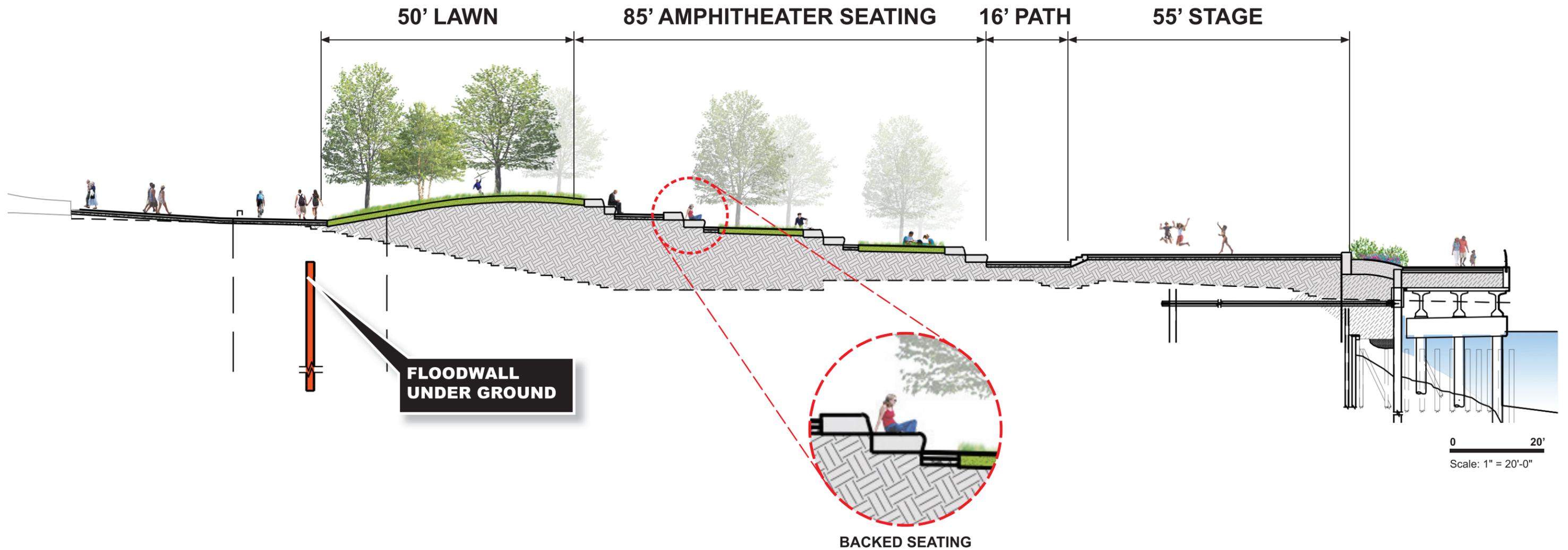
DOUBLE ROW OF SEATING PROVIDES BACKED SEATS AND INCREASES LAWN SEATING BETWEEN ROWS

FOOTPRINT OF SUMMERSTAGE (MIN. SIZE FOR PROPOSED STRUCTURE)



SITE DESIGN UPDATES

PROPOSED SECTION



WHAT WE HEARD: STRUCTURE

- **Existing amphitheater structure is important to community and park identity**
- **Structure provides a sense of arrival and anticipation crossing the Corlears Hook Bridge into the park**

STRUCTURE

DESIGN CONSIDERATIONS



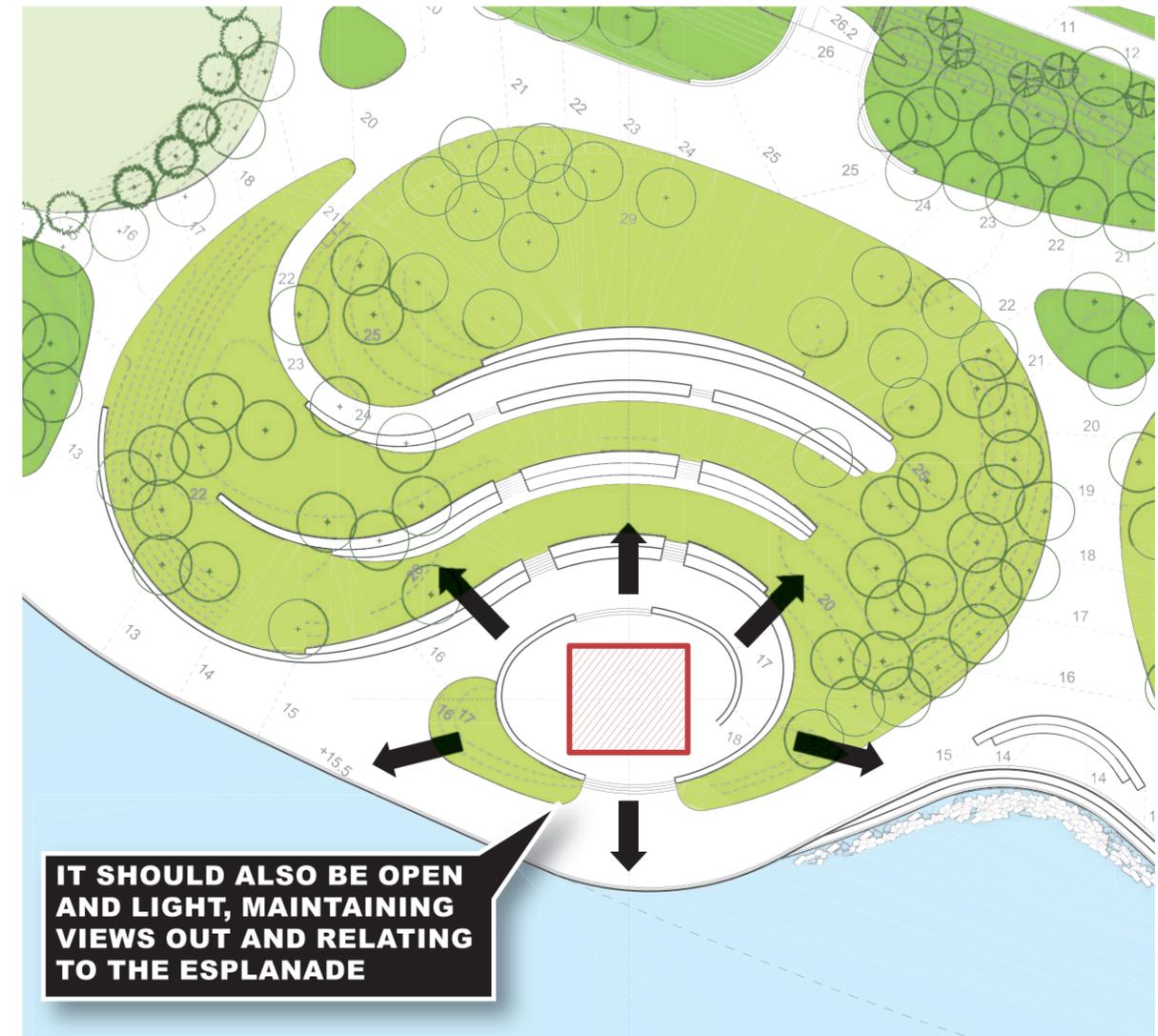
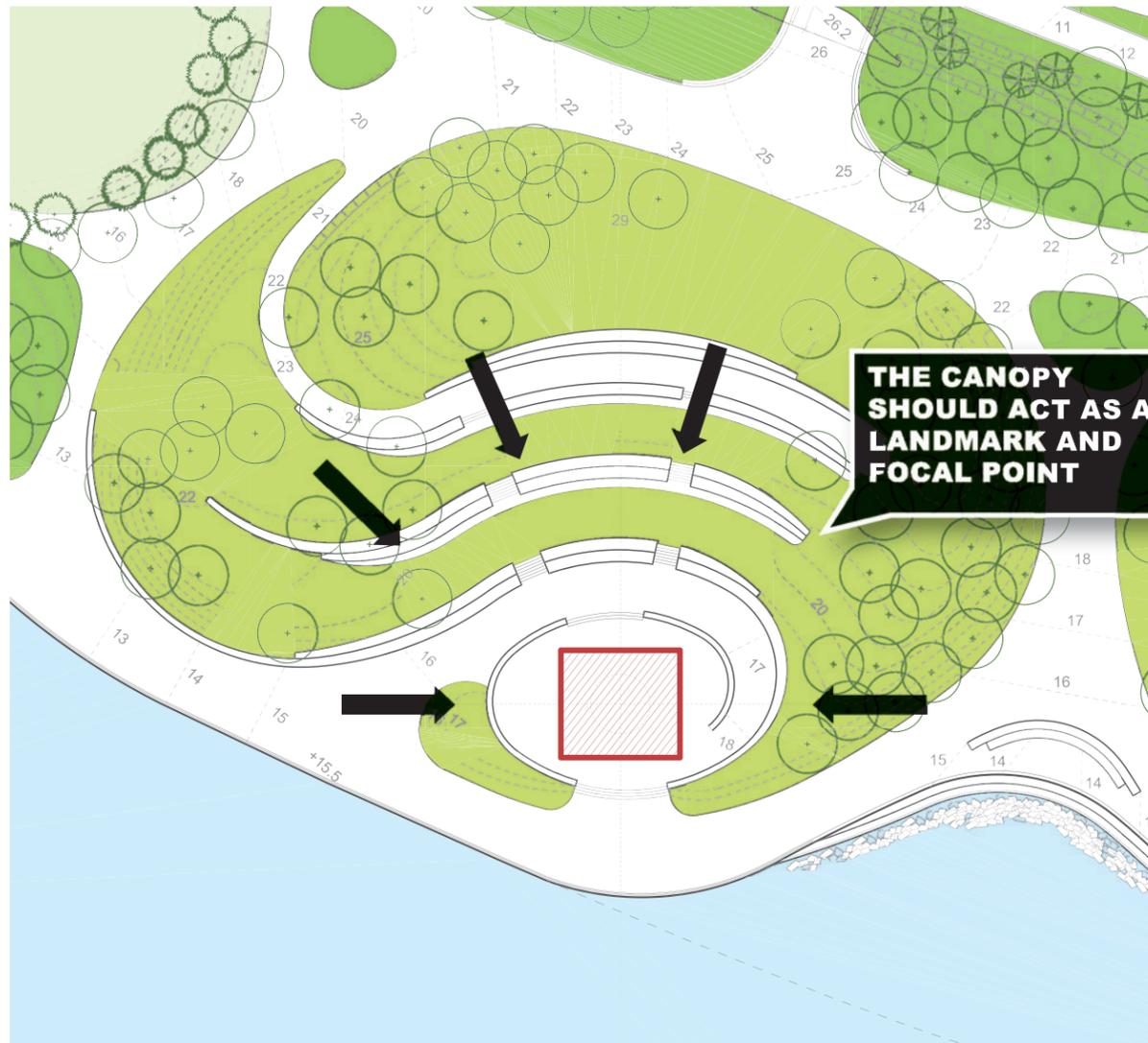
STRUCTURE

DESIGN CONSIDERATIONS



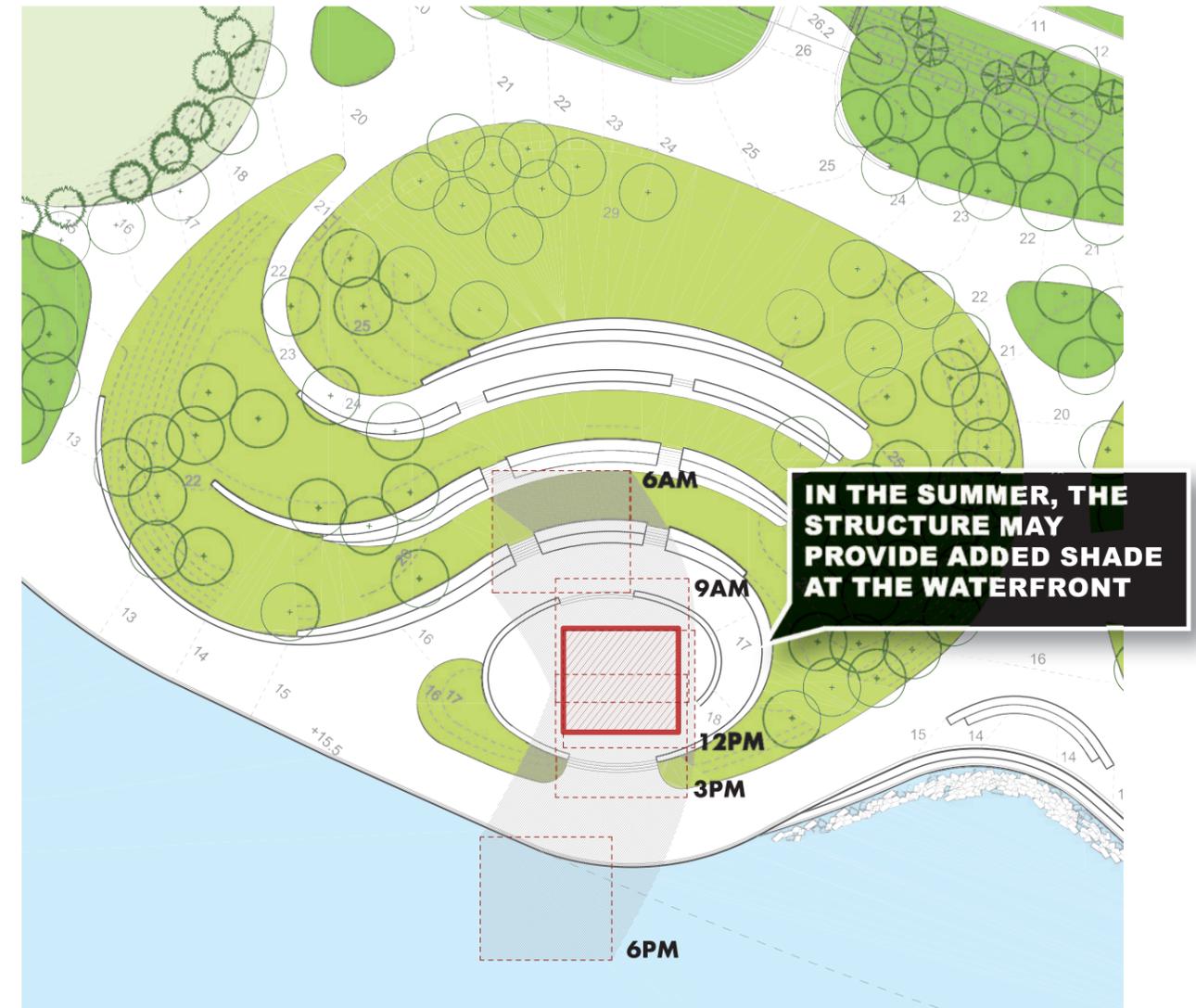
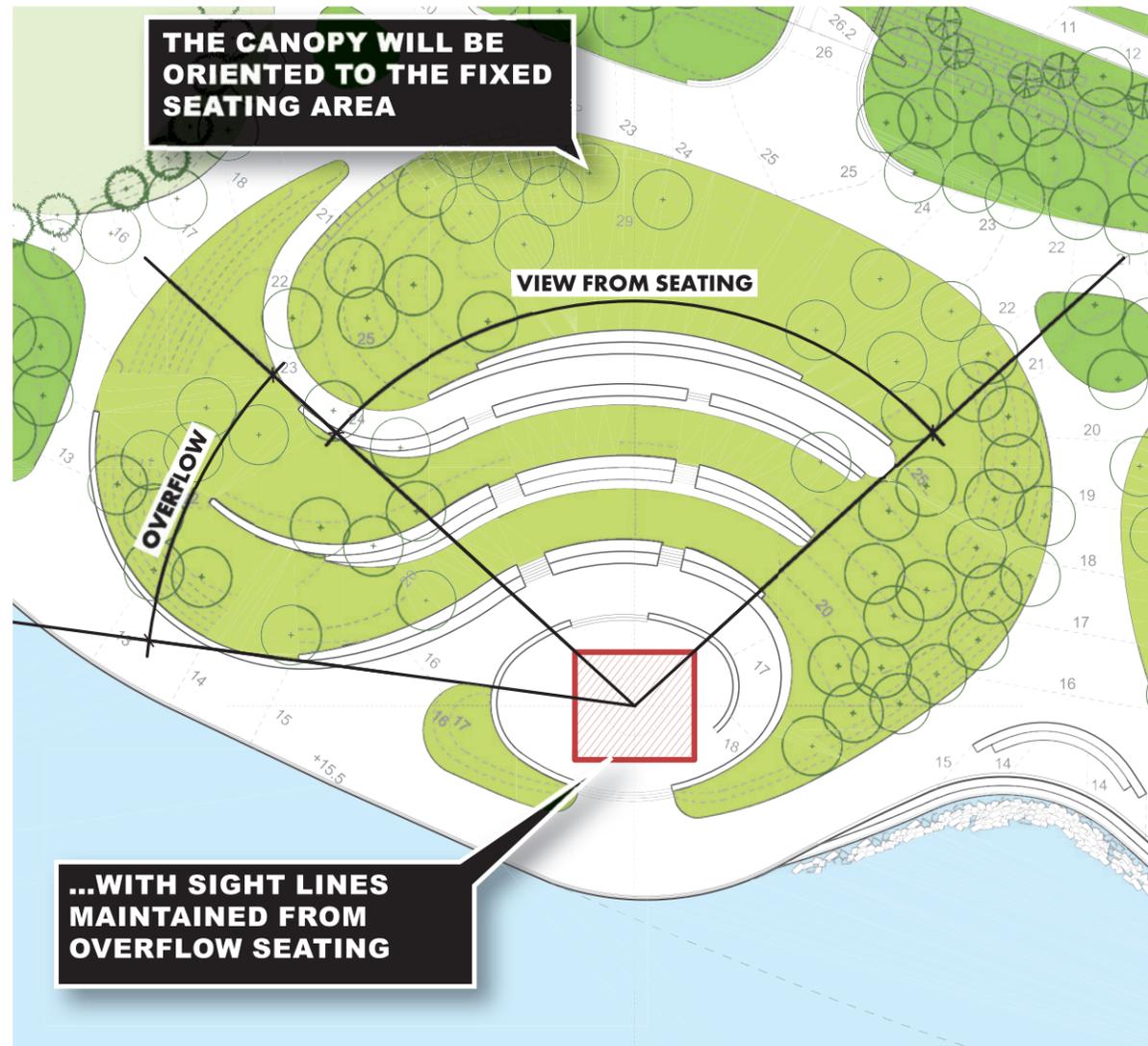
STRUCTURE

DESIGN CONSIDERATIONS



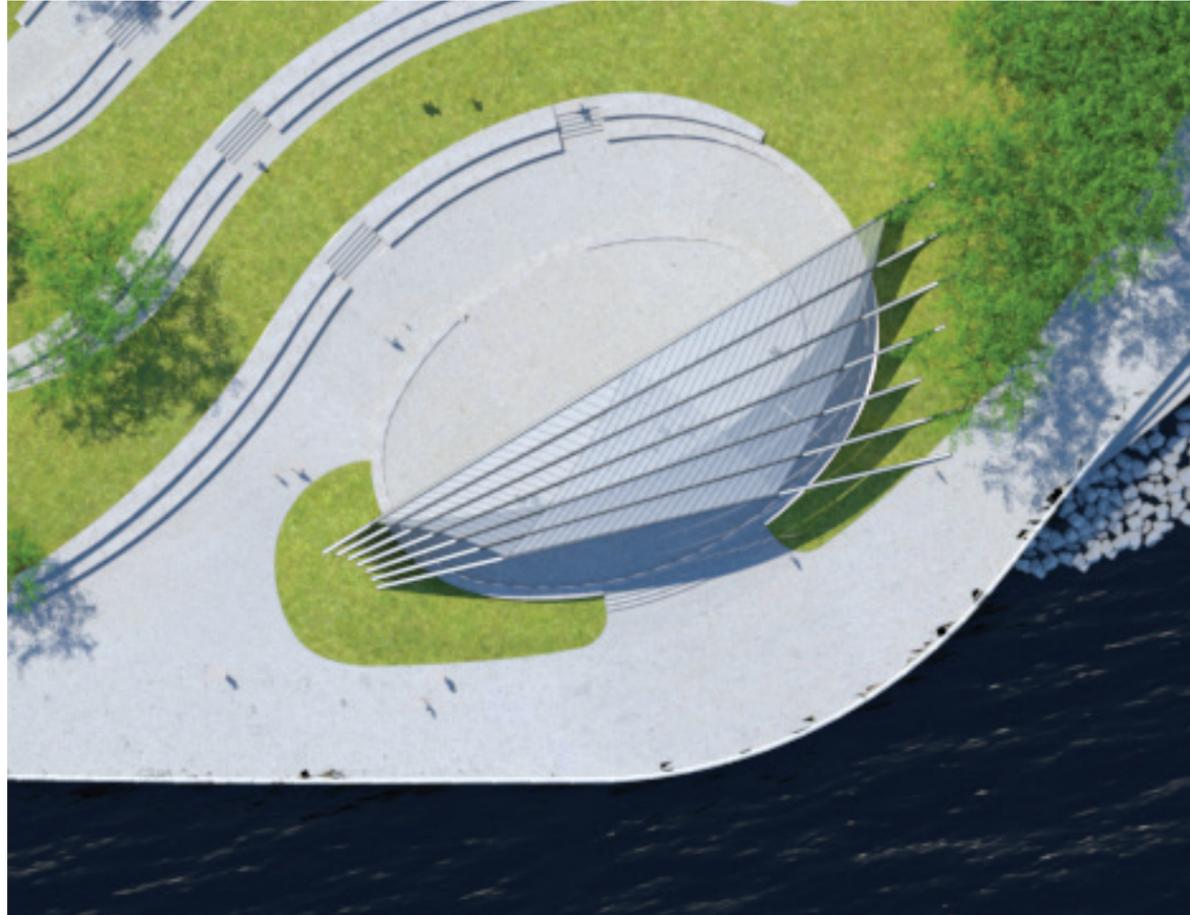
STRUCTURE

DESIGN CONSIDERATIONS



STRUCTURE

DRAFT PROPOSAL



SITE PLAN



OVERALL VIEW

STRUCTURE

DRAFT PROPOSAL



VIEW FROM CORLEARS HOOK BRIDGE



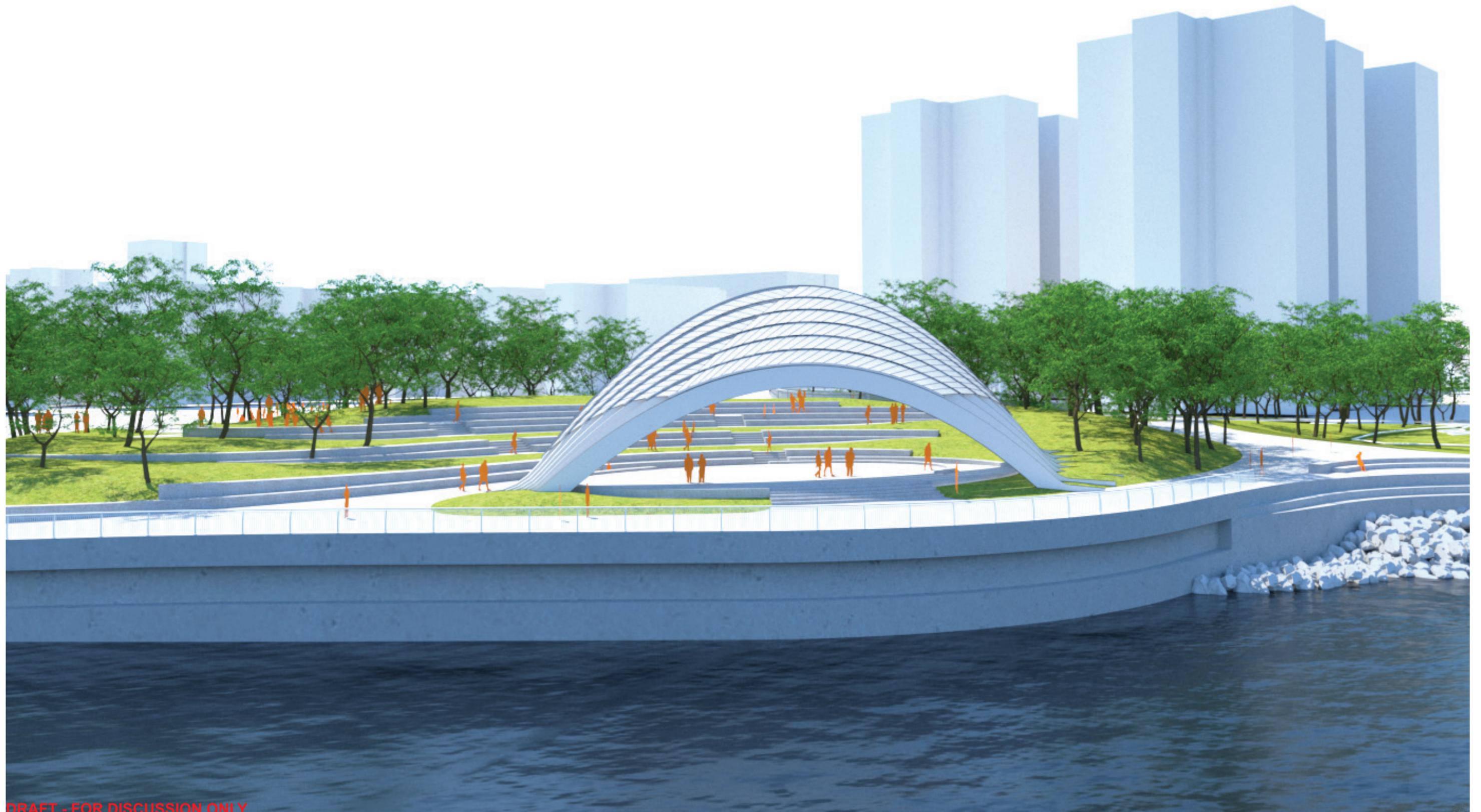
VIEW FROM EMBAYMENT



VIEW FROM ESPLANADE



VIEW FROM OVERFLOW SEATING



DISCUSSION

Website

NYC East Side Coastal Resiliency 311 Search all NYC.gov websites

NYC
The East Side Coastal Resiliency Project

Italiano Translate Text-Size

Home Vision Background Progress Get Involved Resources Search

Draft Environmental Impact Statement (DEIS) Now Available for Review and Comments

The East Side Coastal Resiliency Project

The East Side Coastal Resiliency (ESCR) Project is a coastal protection initiative, jointly funded by the City of New York and the federal government, aimed at reducing flood risk due to coastal storms and sea level rise on Manhattan's East Side from East 25th Street to Montgomery Street.

The ESCR Project is a priority of the City of New York as outlined in the 2015 *One New York: The Plan for a Strong and Just City* and by the innovative Rebuild by Design competition sponsored by the U.S. Department of Housing and Urban Development (HUD). The project design intends to integrate flood protection into the community fabric, improving access to the waterfront rather than walling off the neighborhood.

Partners

NYC DDC
Department of Design and Construction

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