

East Side Coastal Resiliency

Gouverneur Gardens Resident Association

April 15, 2019

Community Room
605 Water Street



AGENDA



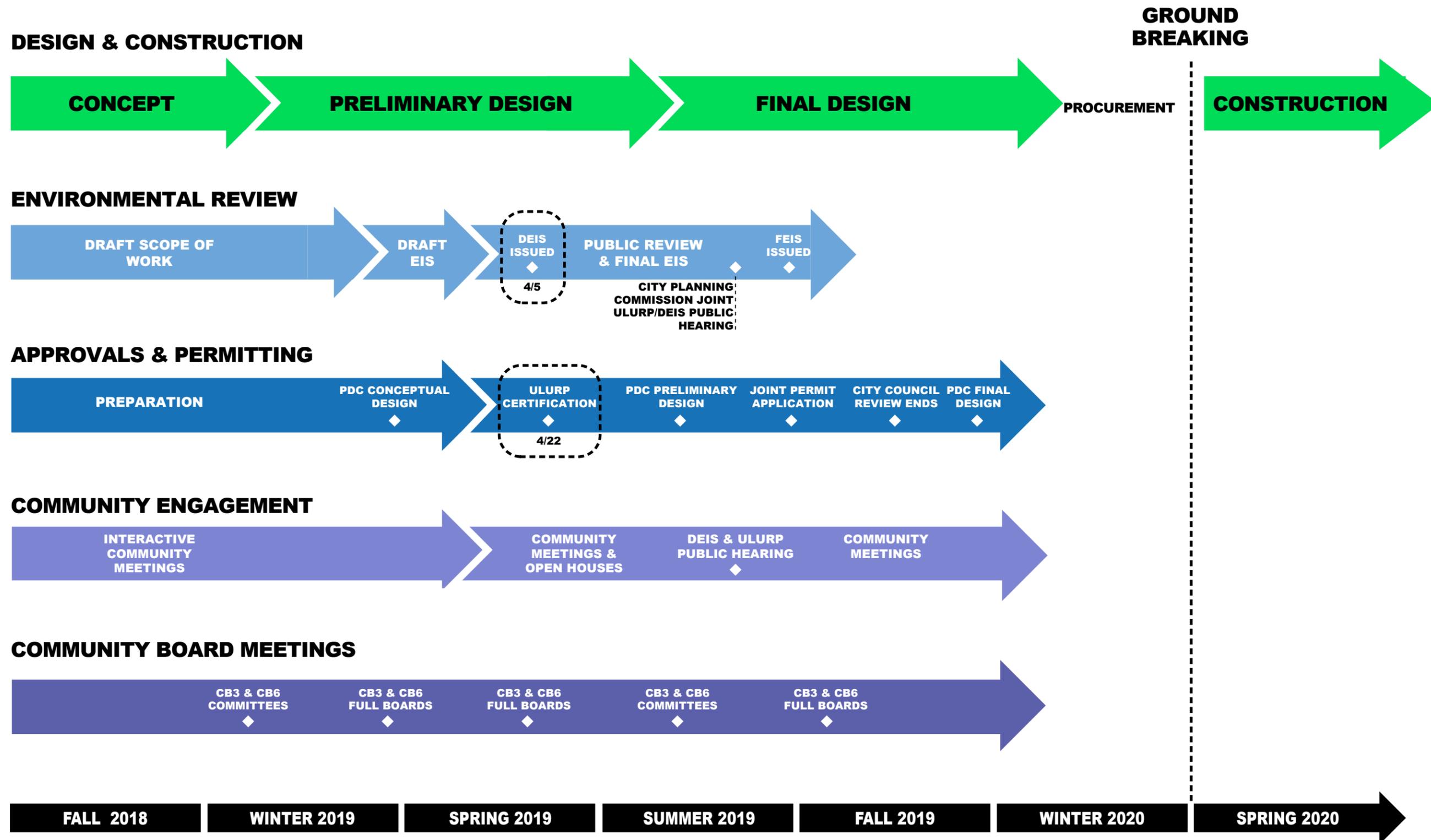
PROJECT UPDATES

DESIGN WALKTHROUGH

GOUVERNEUR GARDENS UPDATE

ENVIRONMENTAL REVIEW AND APPROVALS

CONSTRUCTION & COMMUNITY ENGAGEMENT TIMELINE



RECENT & PLANNED COMMUNITY ENGAGEMENT

MEETINGS TO DATE

STAKEHOLDER

- HUD
- Con Ed
- Interactive Community Meetings
- NYCHA TA Leadership
- NYCHA Riis Residents
- NYCHA LES II and V and Bracetti Plaza Residents
- NYCHA Baruch Residents
- LESReady!
- New Yorkers for Parks
- LUNGS
- Regional Plan Association
- Rebuild by Design
- Lower East Side Ecology Center
- Lower East Side Power Partnership
- Amphitheater Working Group
- East River Alliance
- Solar One
- Stuyvesant Town and Peter Cooper Village Tenant Association
- Friends of Corlears Hook Park
- NYCHA Riis Residents
- East River Housing Corporation Board
- Gouverneur Gardens Residents

COMMUNITY BOARD & ELECTED OFFICIALS MEETINGS

- City and State Elected Officials
- CB3 Leadership
- CB6 Leadership
- CB3 Parks Committee
- CB6 Land Use/Waterfront Committee
- CB6 Working Group
- CB3 Working Group
- CB3 Parks Committee

PLANNED MEETINGS

STAKEHOLDER

- Solar One Planting
- East 20th Street Walk Through with Residents
- East River Alliance
- Waterside Plaza Management
- Waterside Plaza Tenants Association
- Stuyvesant Cove Park Association
- Open Houses
- Other NYCHA Campuses
- East River Housing Corporation Residents

COMMUNITY BOARD & ELECTED OFFICIALS MEETINGS

- CB6 Land Use/Waterfront Committee
- CB6 Parks Committee
- CB3 Full Board
- CB6 Full Board

PROJECT GOALS & ORIGIN

Provide a reliable, integrated flood protection system; minimize use of closure structures.

Improve waterfront open spaces and access.

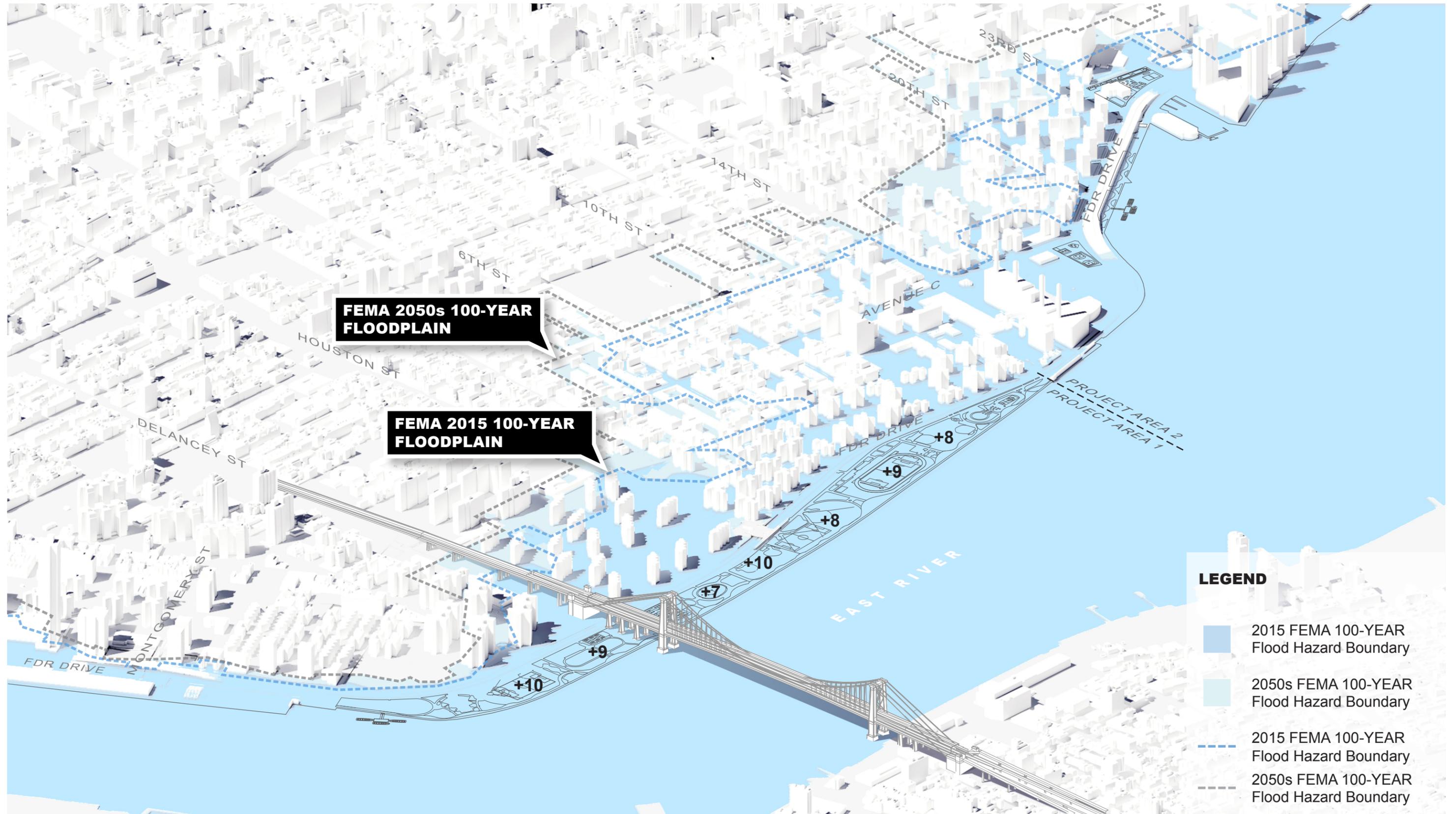
Achieve implementation milestones and project funding allocations as established by HUD.

Respond quickly to the urgent need for increased flood protection and resiliency.



CURRENT AND 2050s 100-YEAR FLOODPLAINS

STUDY AREA

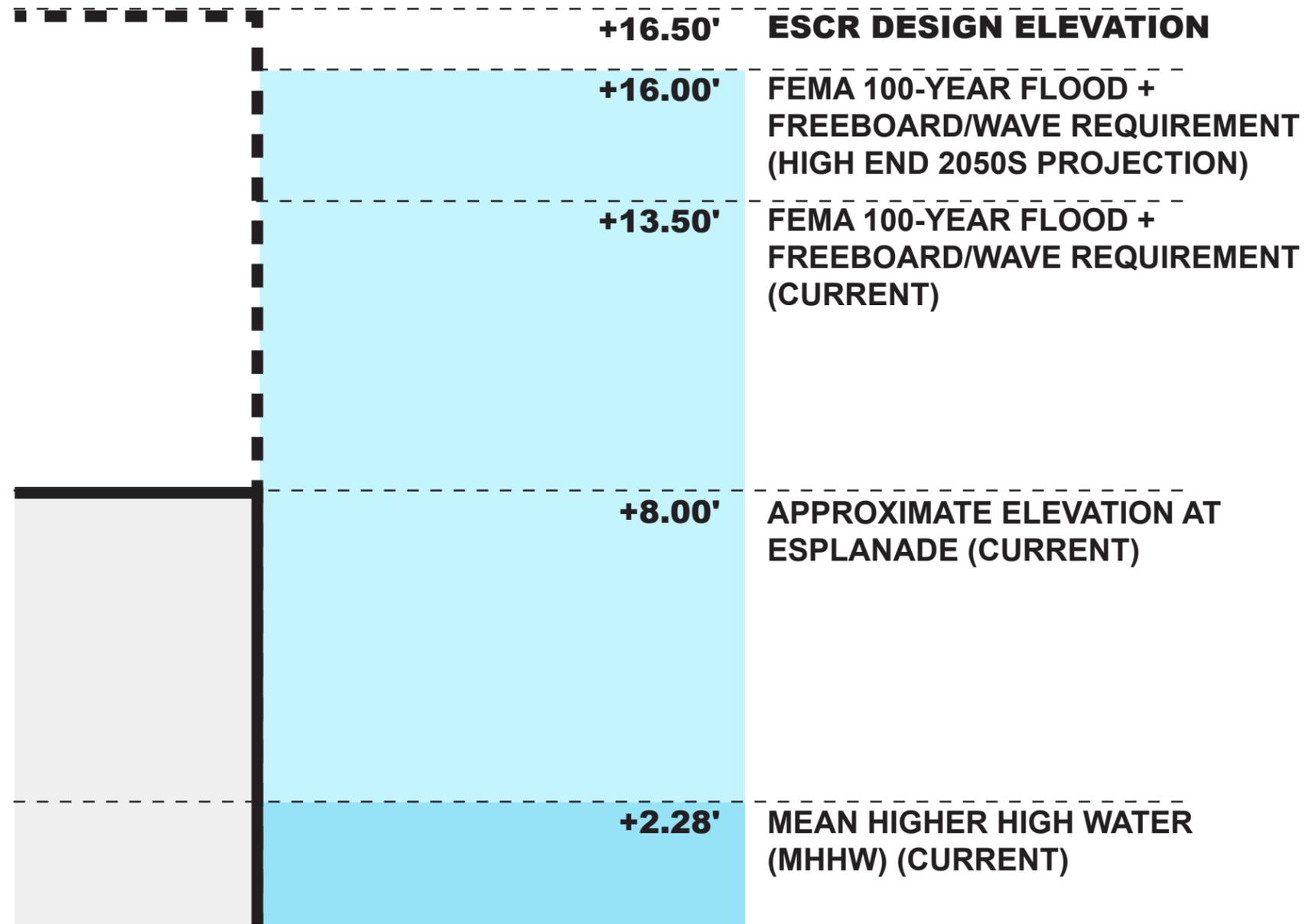


IMPROVED PARK RESILIENCY

FLOOD DESIGN ELEVATIONS

HUD FUNDING REQUIREMENT: THE SYSTEM MUST PURSUE FEMA ACCREDITATION WITH MINIMUM SYSTEM ELEVATION AT CURRENT FEMA 100-YEAR STORM ELEVATION + WAVE ACTION

DESIGN HEIGHT: DESIGN HEIGHT DETERMINED BY 2050s 100-YEAR STORM ELEVATION (INCL 30" SEA LEVEL RISE) + WAVE ACTION

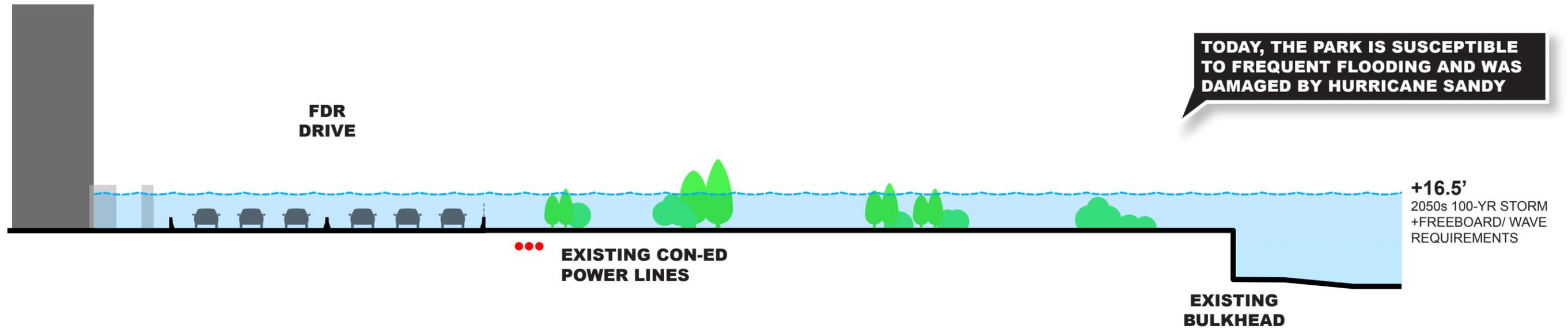


NOTE: ALL ELEVATIONS SHOWN IN NAVD88

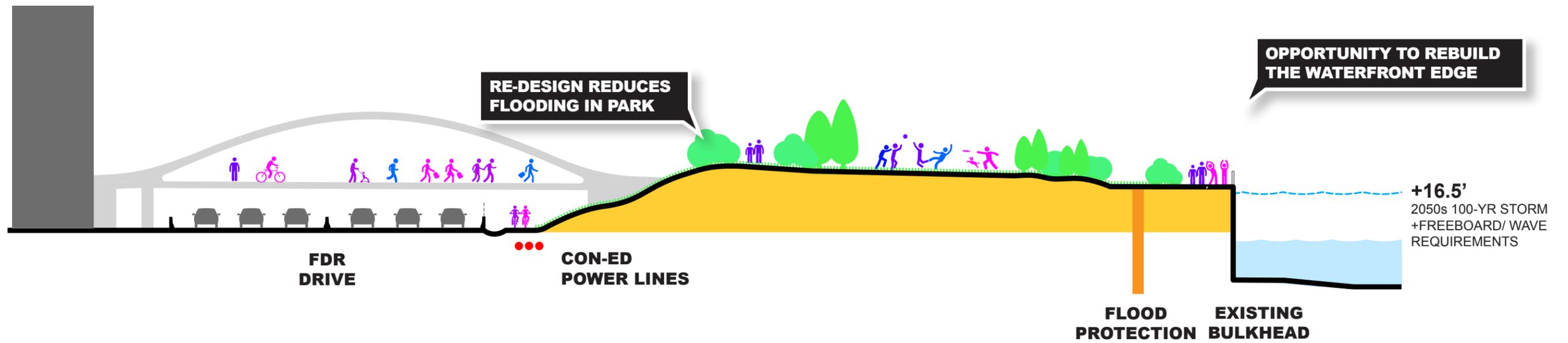
IMPROVED PARK RESILIENCY

PARK RAISED ABOVE THE 2050s 100-YEAR FLOODPLAIN

EXISTING CONDITIONS

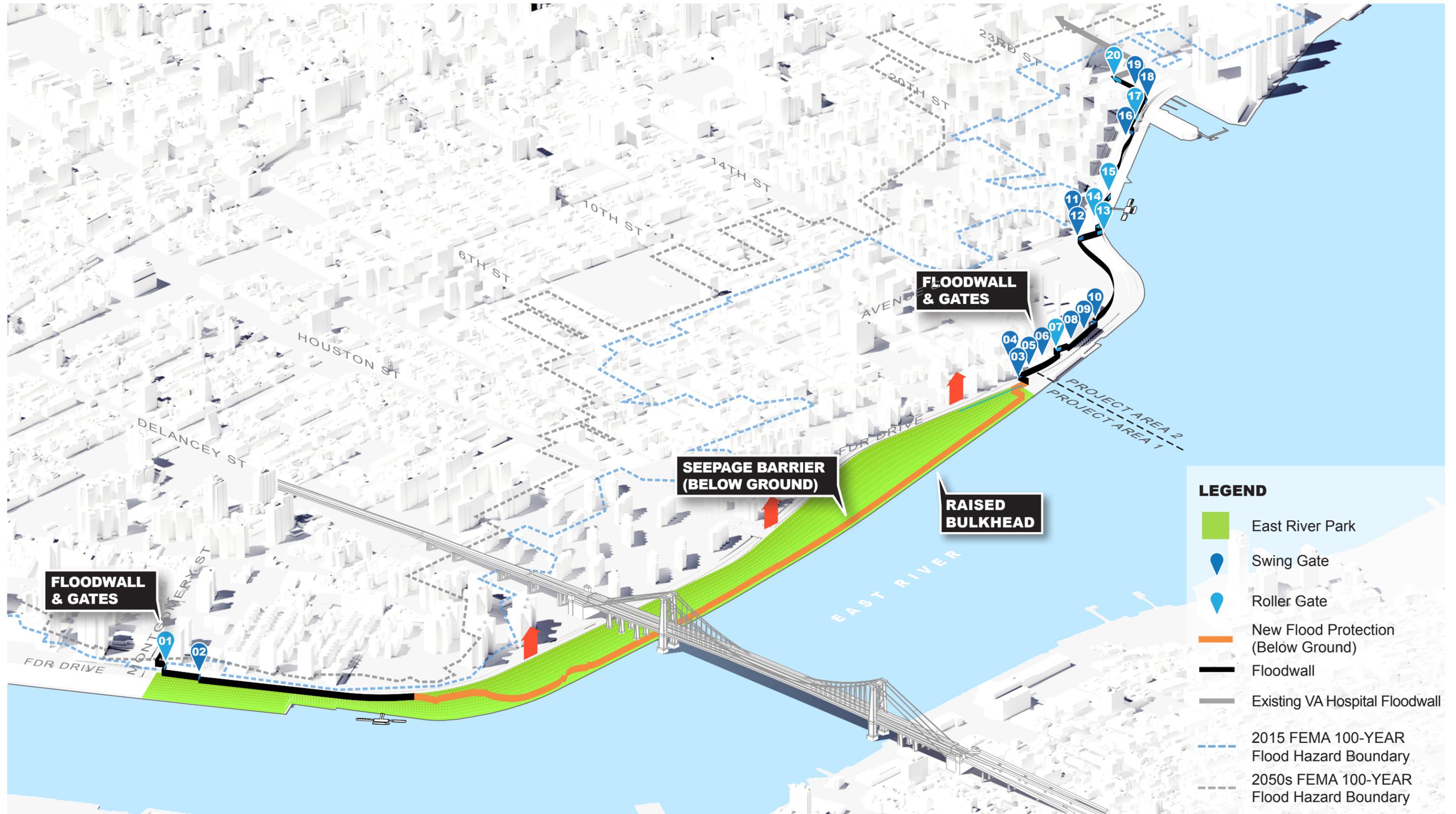


CURRENT PLAN



IMPROVED RESILIENCY

PARK & FLOOD PROTECTION

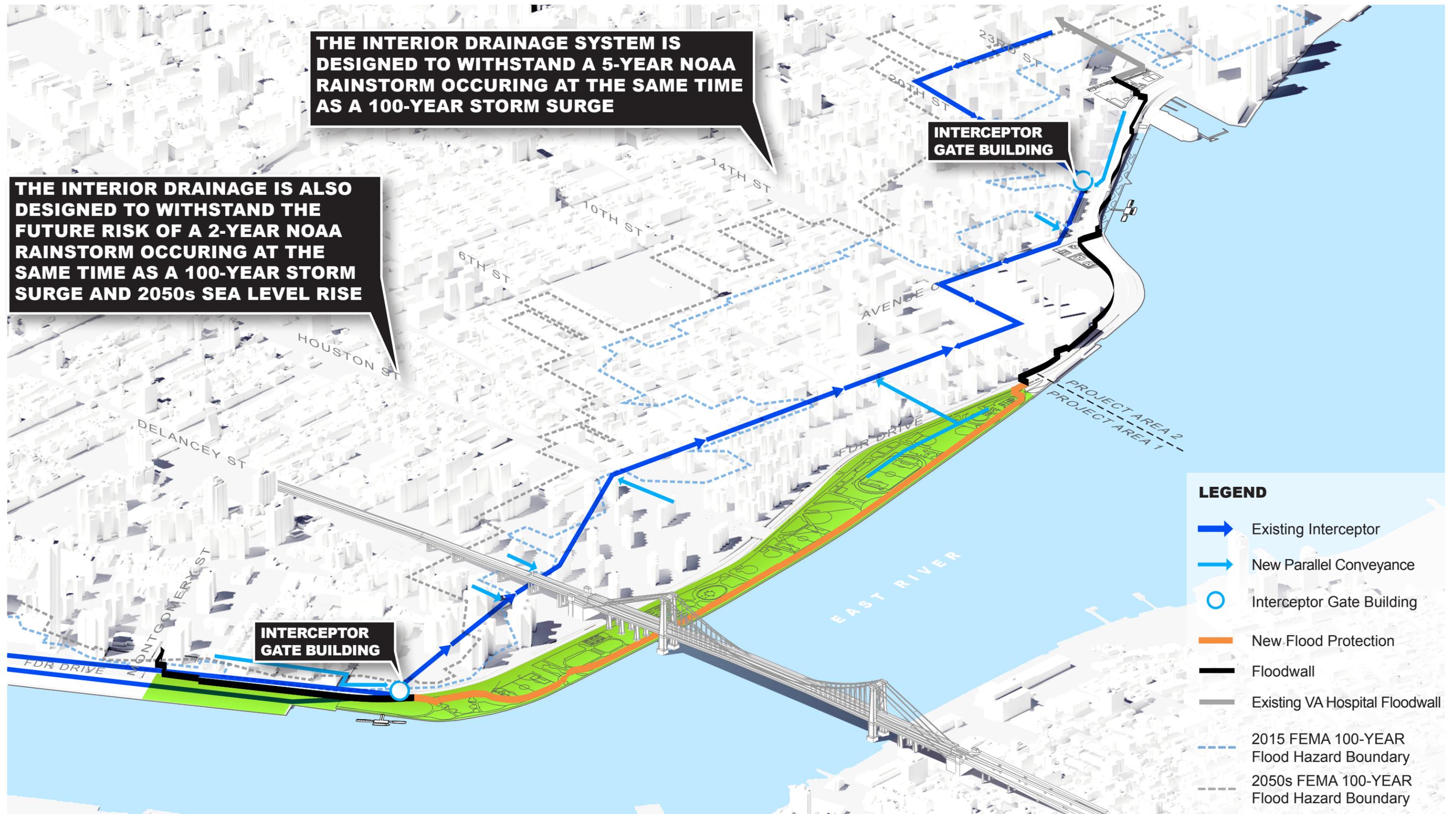


IMPROVED RESILIENCY

ENHANCING DRAINAGE INFRASTRUCTURE THROUGHOUT THE STUDY AREA

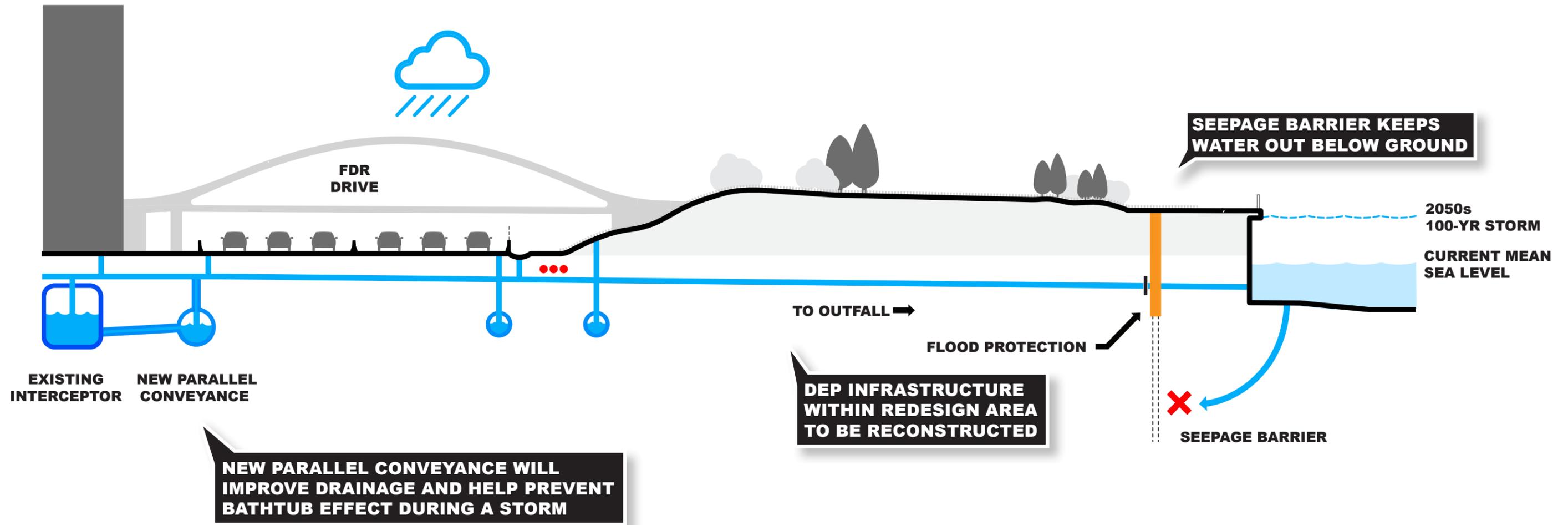
THE INTERIOR DRAINAGE SYSTEM IS DESIGNED TO WITHSTAND A 5-YEAR NOAA RAINSTORM OCCURING AT THE SAME TIME AS A 100-YEAR STORM SURGE

THE INTERIOR DRAINAGE IS ALSO DESIGNED TO WITHSTAND THE FUTURE RISK OF A 2-YEAR NOAA RAINSTORM OCCURING AT THE SAME TIME AS A 100-YEAR STORM SURGE AND 2050s SEA LEVEL RISE



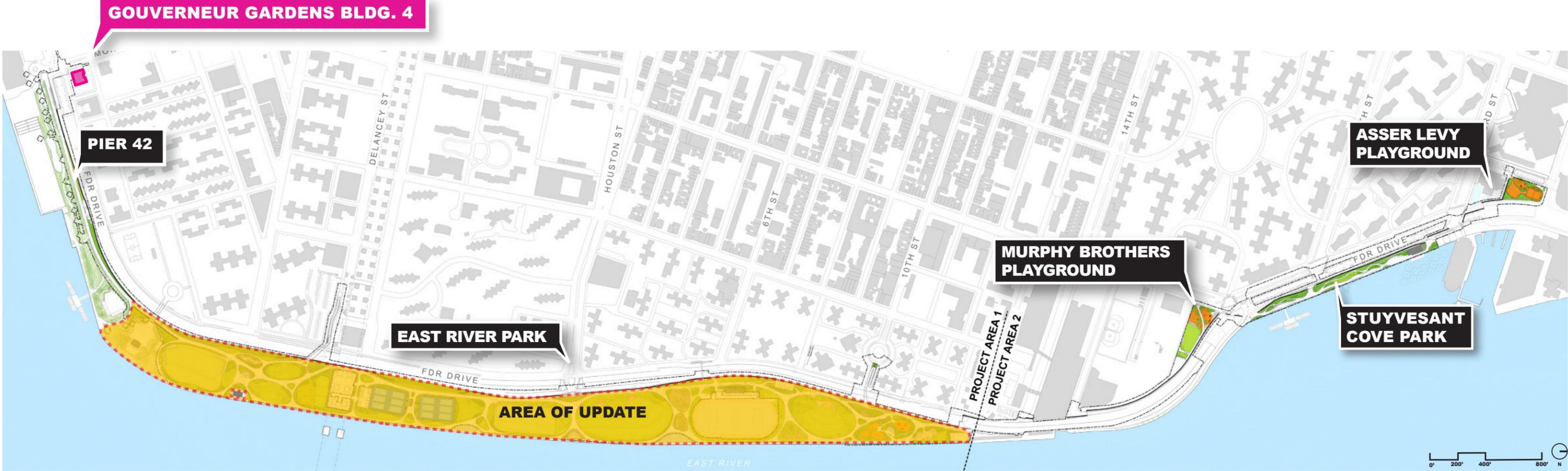
IMPROVED DRAINAGE

SEWER IMPROVEMENTS TO REDUCE UPLAND FLOODING



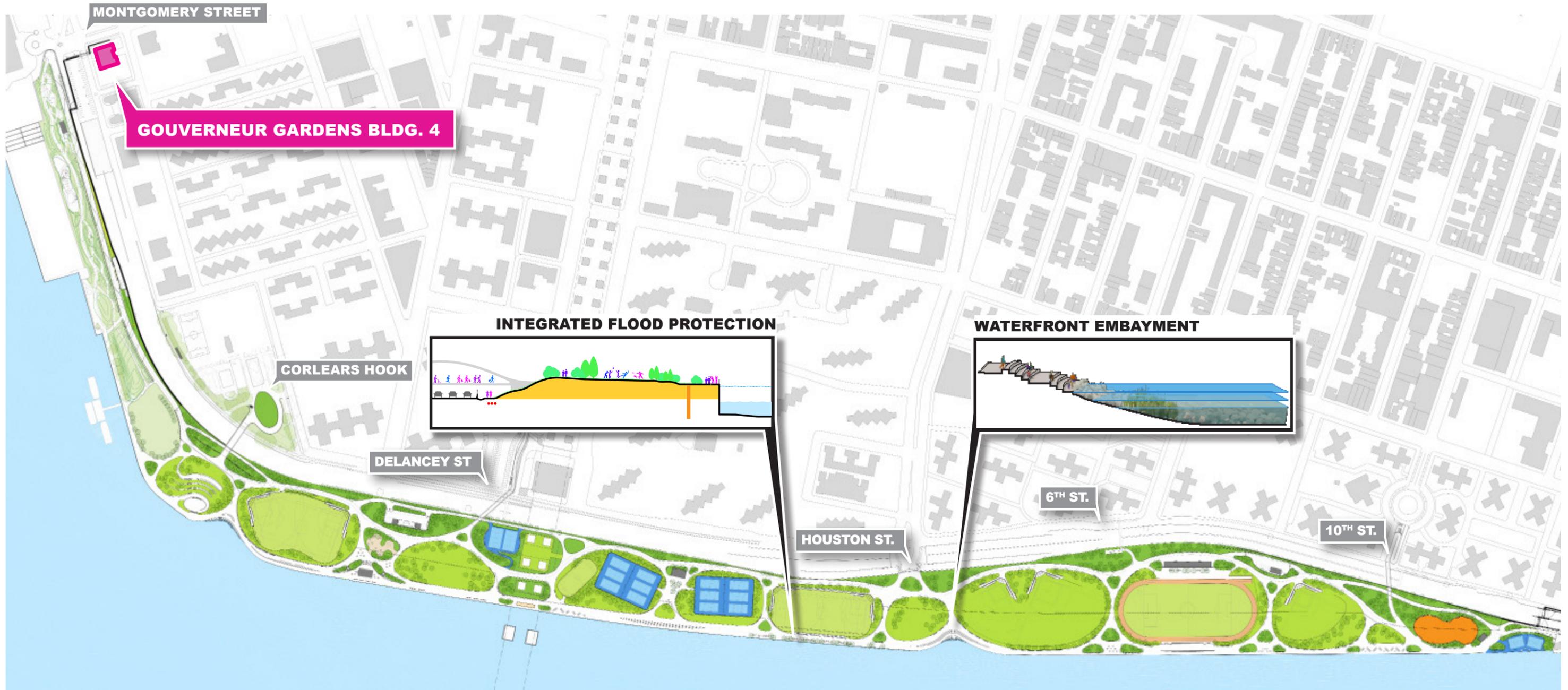
AREA OF DESIGN CHANGES

EAST SIDE COASTAL RESILIENCY PROJECT



CURRENT PLAN

PROJECT GOALS



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

AGENDA

An aerial photograph of a city waterfront development project, overlaid with a semi-transparent teal color. The image shows a dense urban area with a mix of building heights, a waterfront promenade with green spaces and sports fields, and a bridge crossing a body of water. The text is centered over the image.

PROJECT UPDATES

DESIGN WALKTHROUGH

GOUVERNEUR GARDENS UPDATE

ENVIRONMENTAL REVIEW AND APPROVALS

EAST RIVER PARK

CONCEPTUAL PLAN

AREA 3: TRACK & EAST 10TH STREET

AREA 2: HOUSTON STREET

AREA 1: CORLEARS HOOK TO DELANCEY STREET

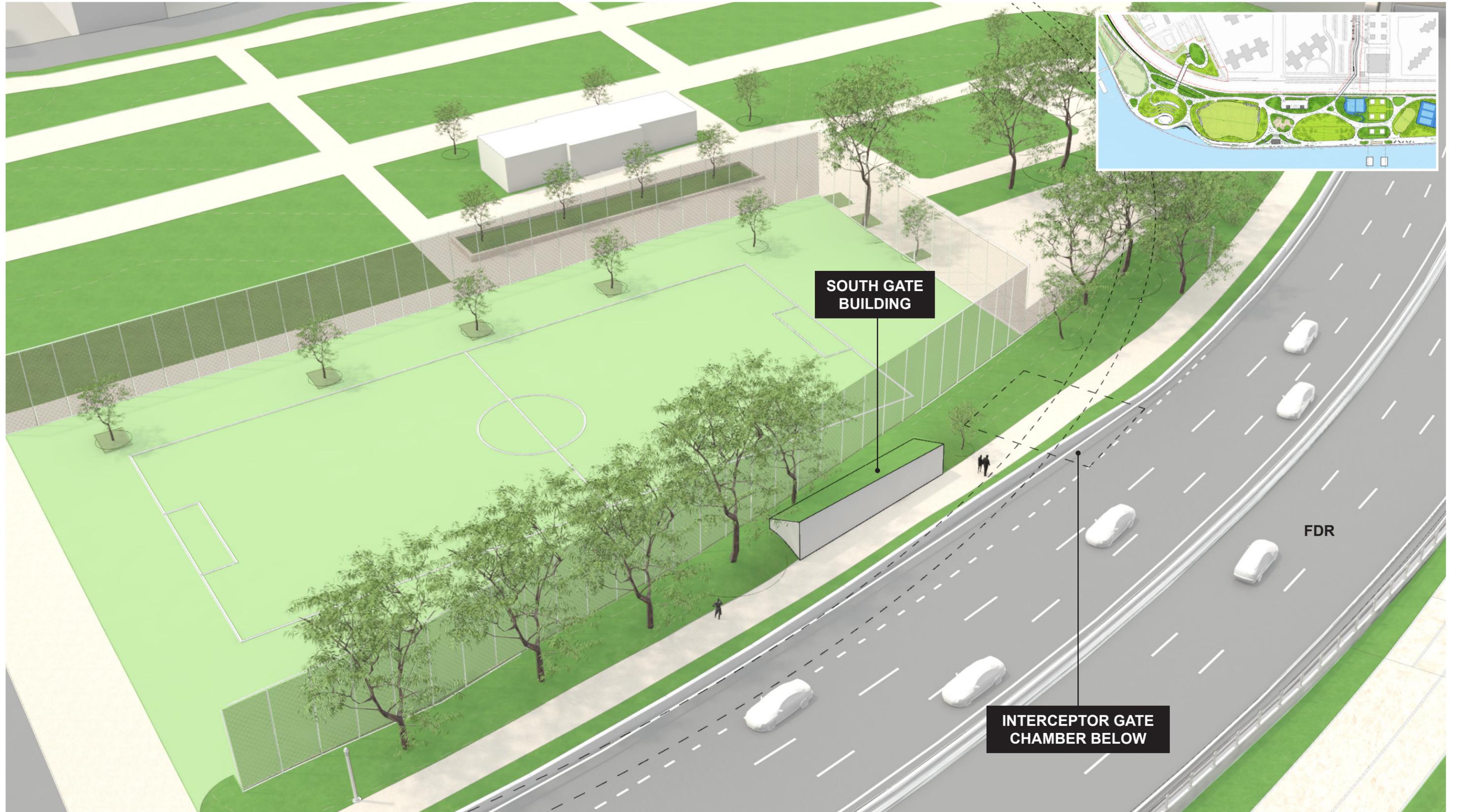
AREA 1: CORLEARS HOOK TO DELANCEY STREET

CONCEPTUAL PLAN



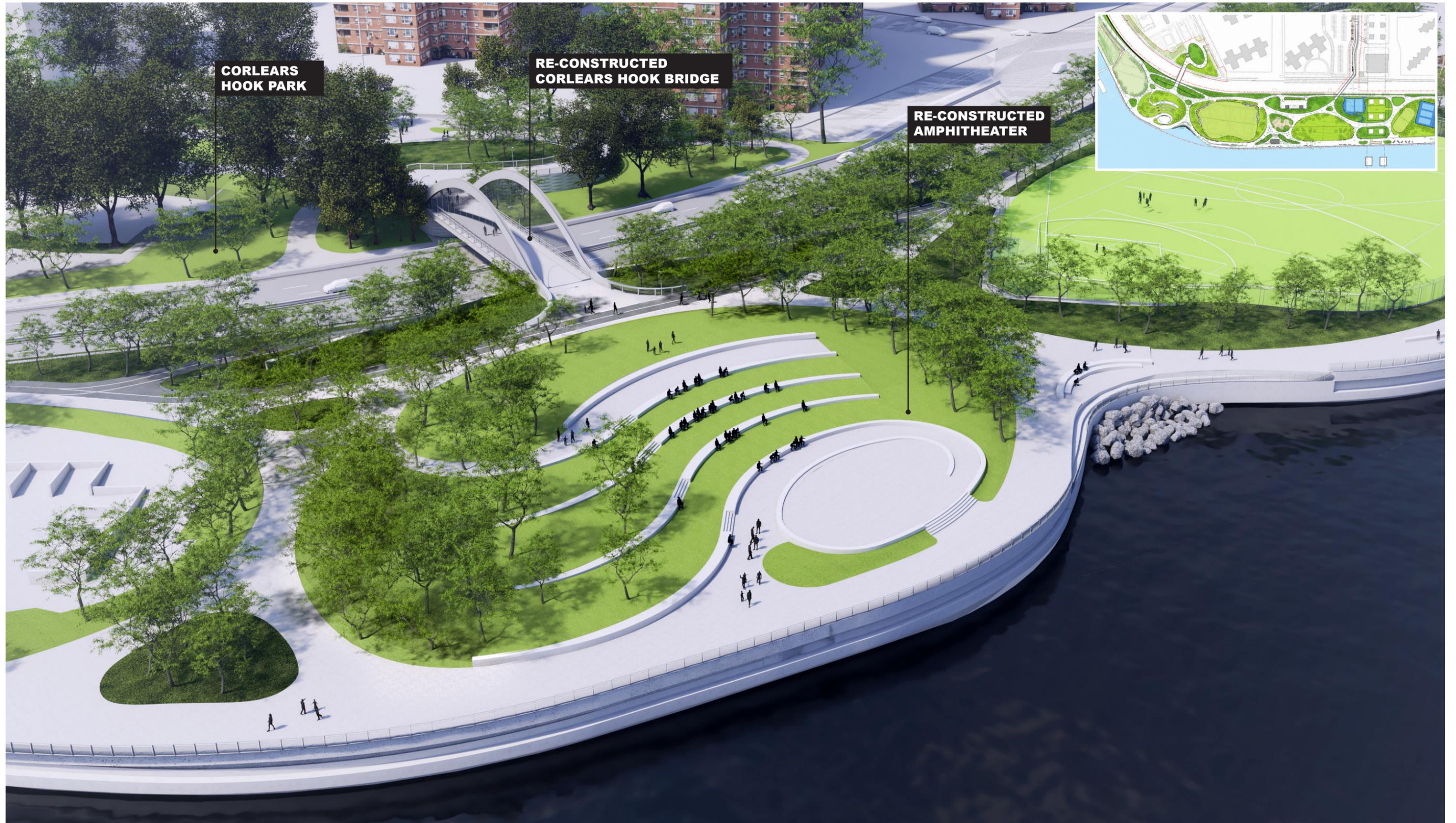
CORLEARS HOOK PARK

SOUTH INTERCEPTOR GATE CHAMBER BUILDING



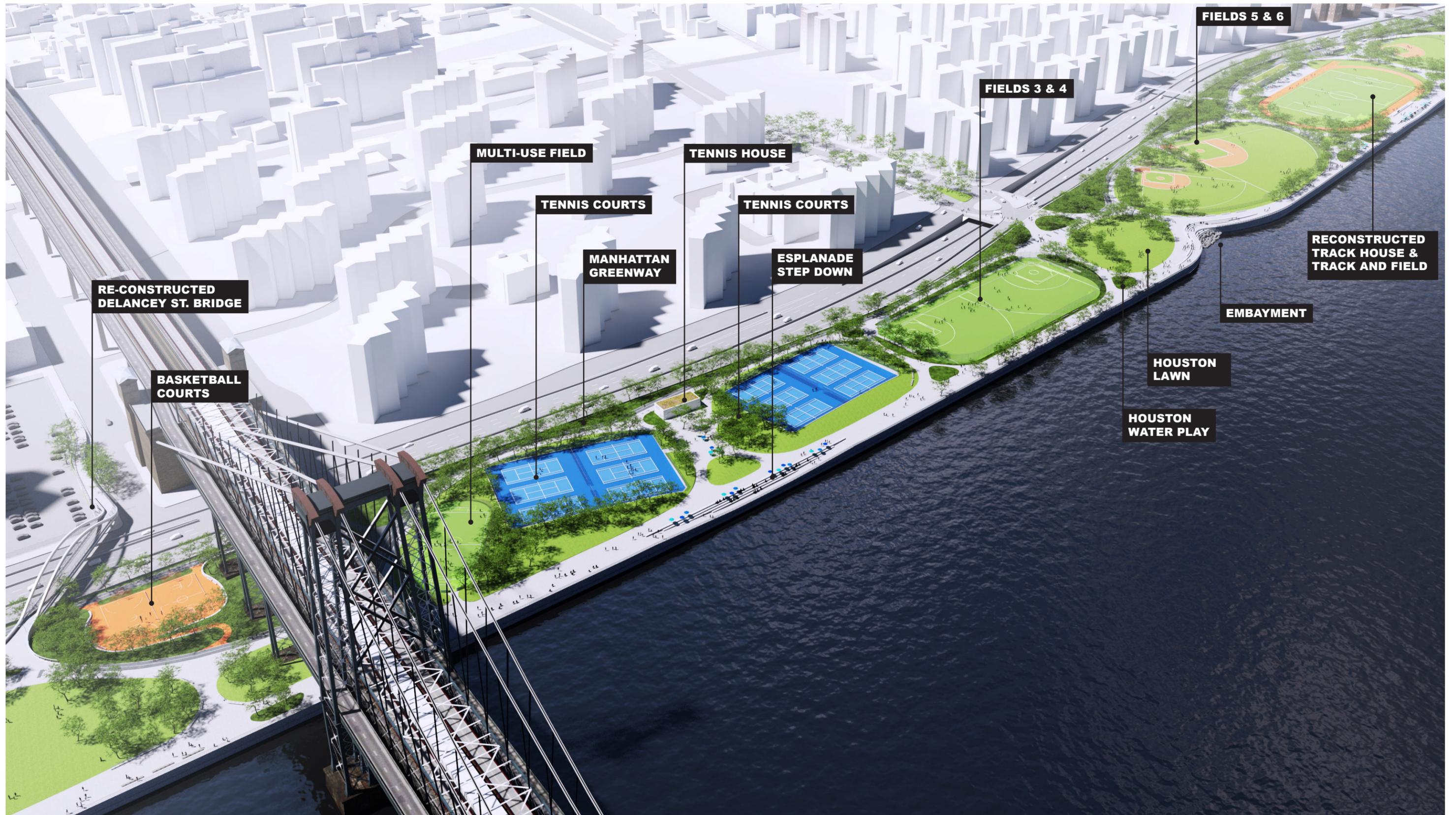
AMPHITHEATER

CONCEPTUAL PLAN



AREA 2: HOUSTON STREET

CONCEPTUAL PLAN



HOUSTON STREET ENTRY

CONCEPTUAL PLAN



AREA 3: TRACK & EAST 10TH STREET

CONCEPTUAL PLAN



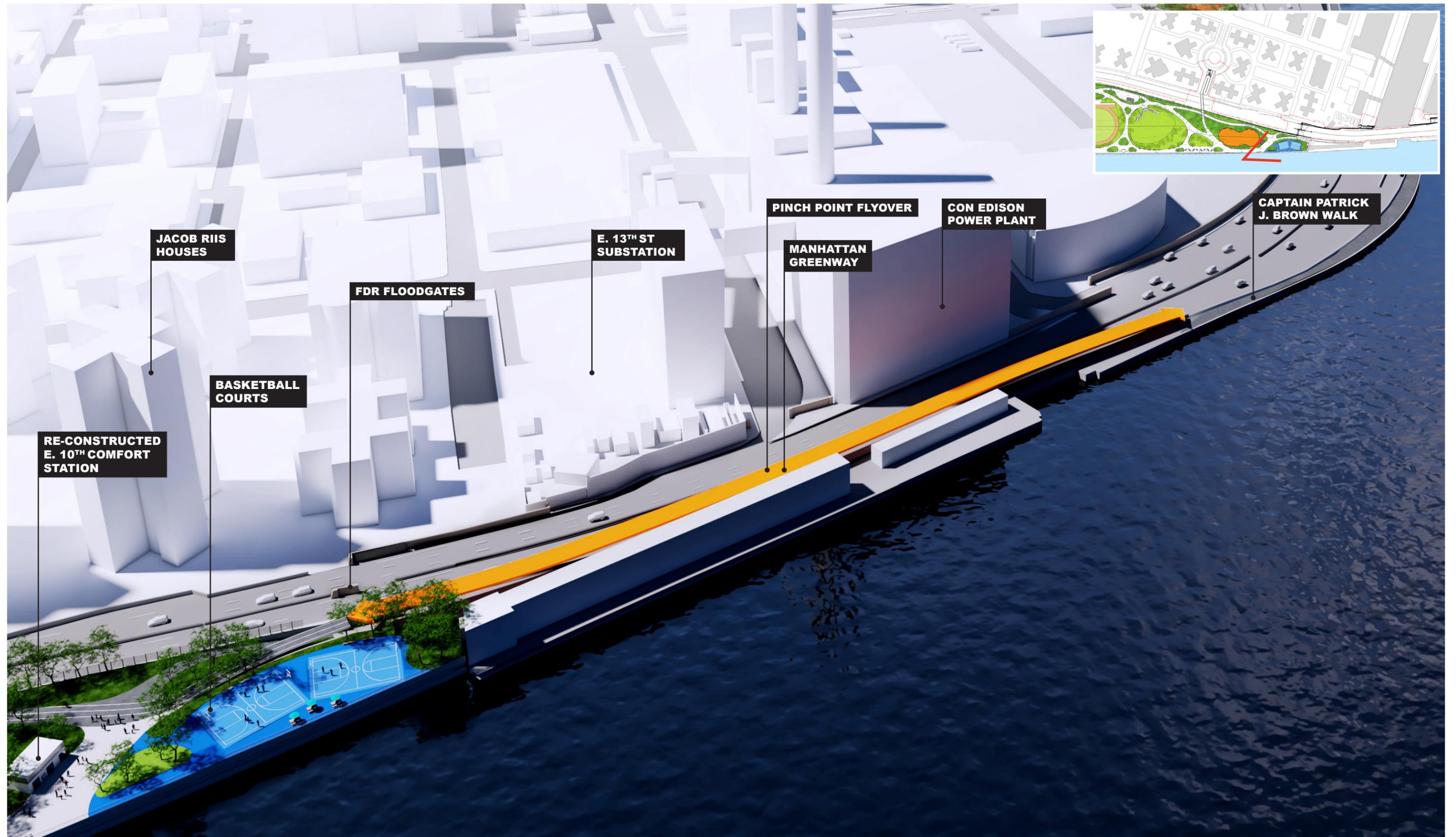
TRACK & FIELD

CONCEPTUAL PLAN



PINCHPOINT FLYOVER BRIDGE

CONCEPTUAL ALIGNMENT



AGENDA

An aerial architectural rendering of a city waterfront development project, overlaid with a semi-transparent teal color. The scene shows a dense urban grid of buildings along a riverbank. A prominent feature is a large, landscaped park area with green lawns, trees, and a winding path. A suspension bridge spans across the river in the foreground. The overall aesthetic is clean and modern, typical of urban planning presentations.

PROJECT UPDATES

DESIGN WALKTHROUGH

GOUVERNEUR GARDENS UPDATE

ENVIRONMENTAL REVIEW AND APPROVALS

COMMUNITY ENGAGEMENT SUMMARY

MEETINGS WITH GOUVERNEUR GARDENS

MEETINGS DATES TO DATE:

- September 15, 2016
- January 17, 2017
- November 6, 2017
- February 27, 2018

WHAT WE'VE HEARD:

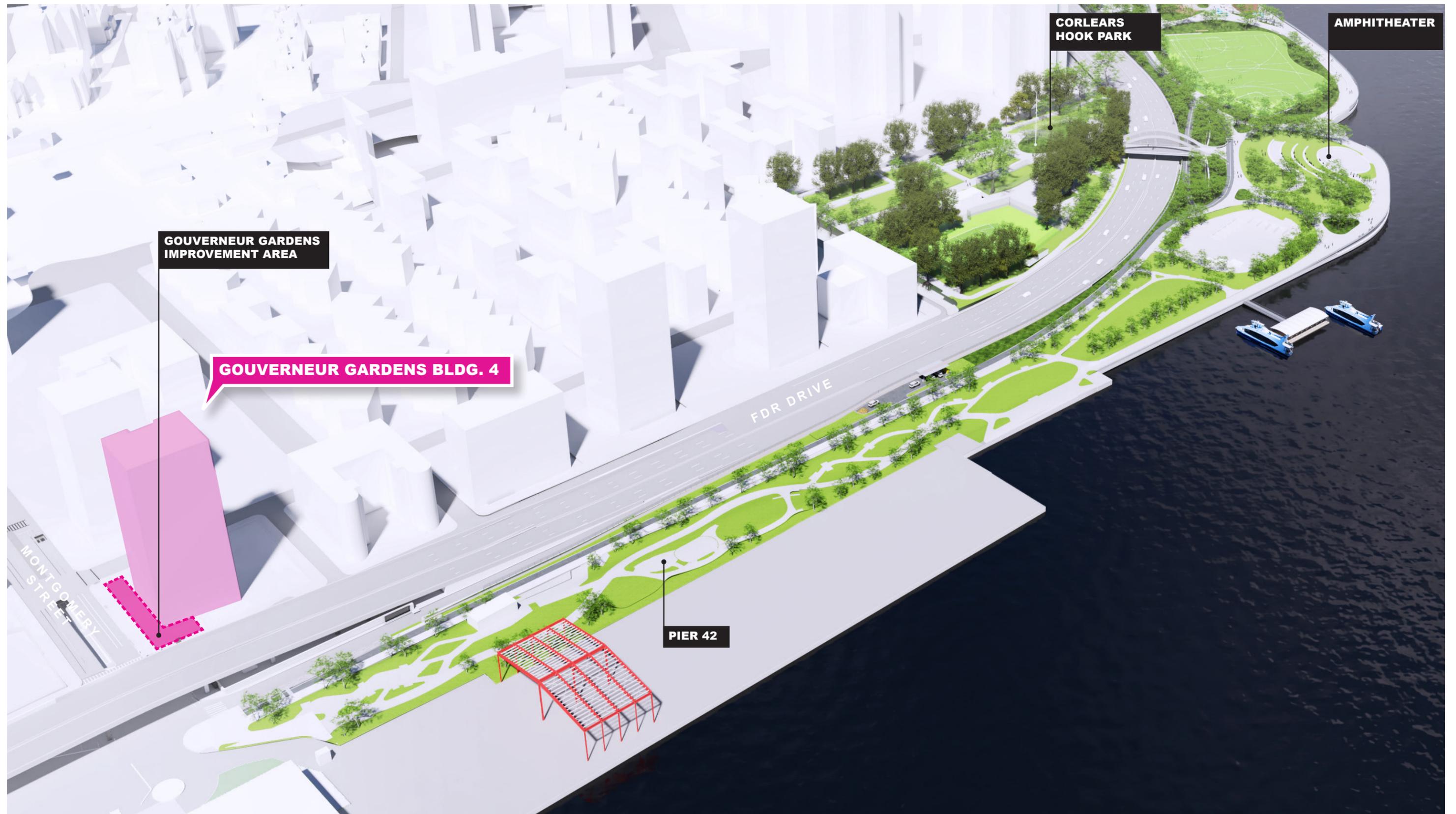
- Preference for an informal, curvilinear garden layout with a path
- Maintain the memorials currently located in the garden
- Salvage hardscape materials that are currently in the garden
- Keep bulbs and roses in the planting design
- Choose plants that will not provide shelter for rodents
- Create a shared garden space that everyone can use
- Provide a space for tool storage and composting
- Preference for a flowering tree if there is enough space



**WORKING WITH RESIDENTS
WHO ARE INTERESTED
IN GARDENING AREAS
AROUND THE BUILDING**

GOVERNEUR GARDENS AREA

CONCEPTUAL PLAN



FLOOD PROTECTION

MONTGOMERY STREET TIE-BACK



FLOODWALL
TOP OF WALL: EL. +16.5
WALL HT: APPROX. 1.5'

FLOODWALL
TOP OF WALL: EL. +16.5
WALL HT: APPROX. 4.5'

**FLOOD GATE IN
OPEN POSITION**

**DESIGN TEAM IS STUDYING
FLOODWALL FINISHES**

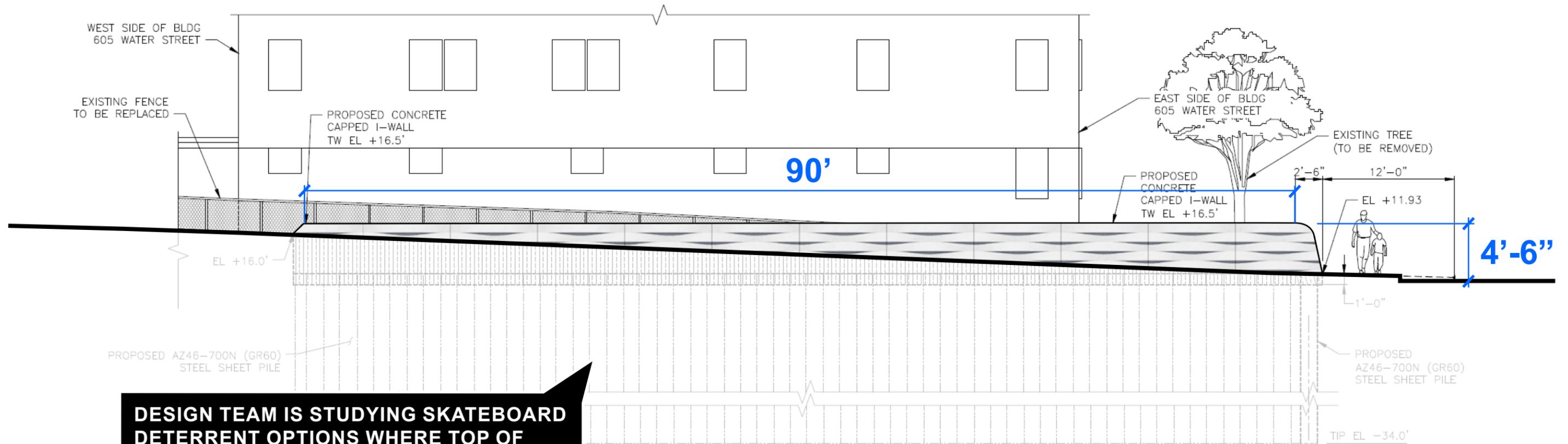
FLOOD PROTECTION

MONTGOMERY STREET TIE-BACK



FLOOD PROTECTION

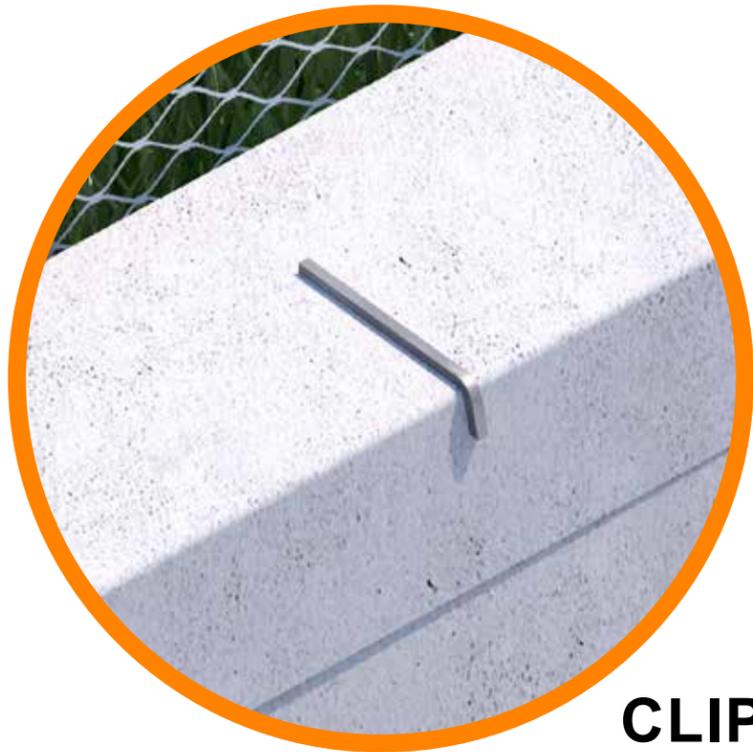
FINISHES AND SKATEBOARD DETERRENTS



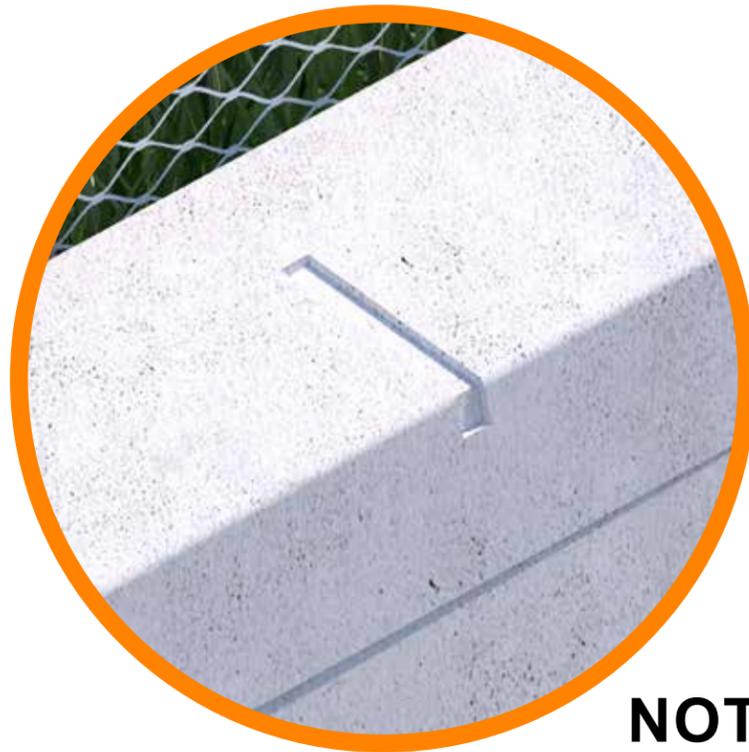
DESIGN TEAM IS STUDYING SKATEBOARD DETERRENT OPTIONS WHERE TOP OF FLOODWALL APPROACHES SIDEWALK

FLOOD PROTECTION

FINISHES AND SKATEBOARD DETERRENENTS



CLIP



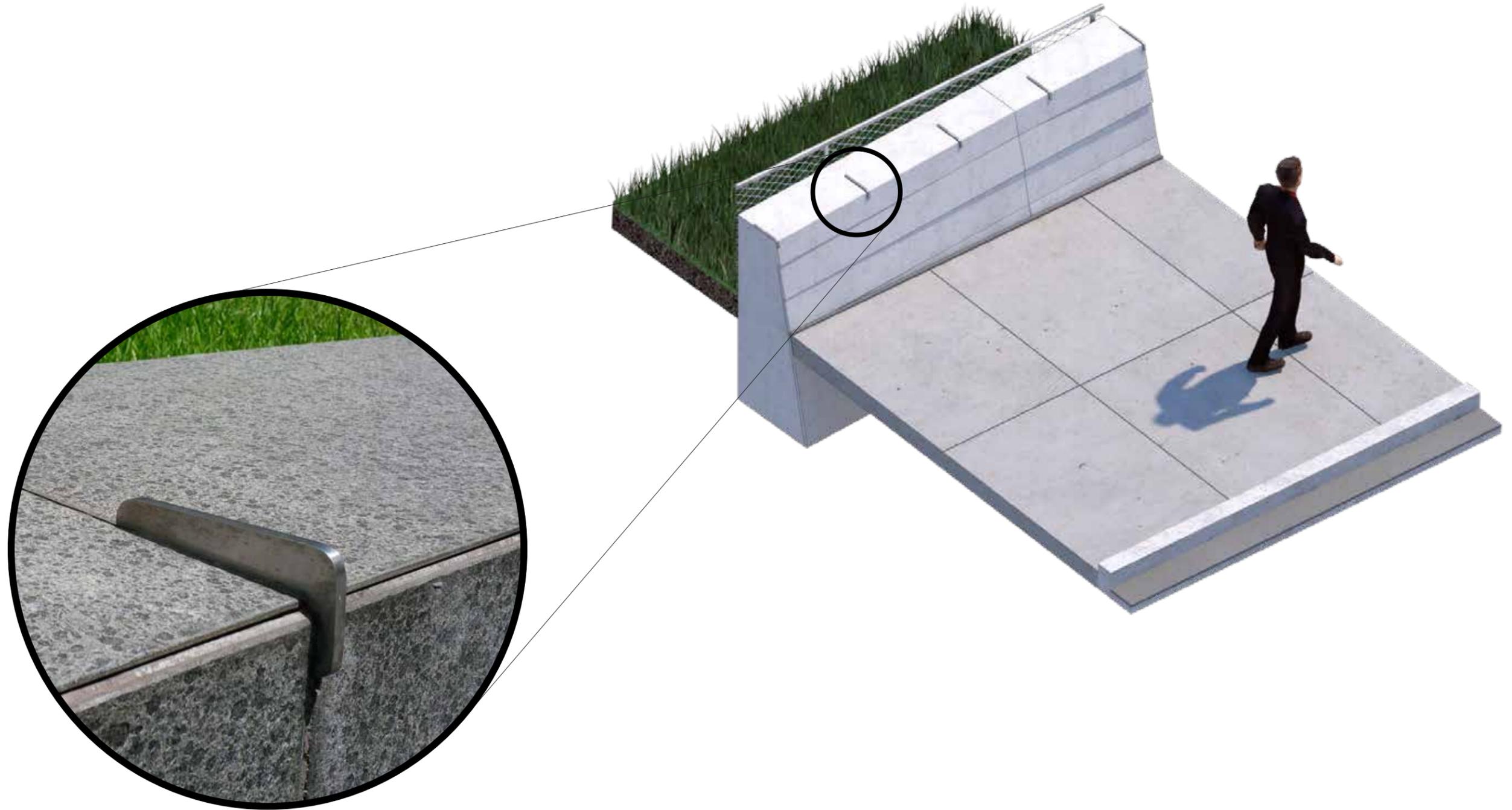
NOTCH



SLOPE

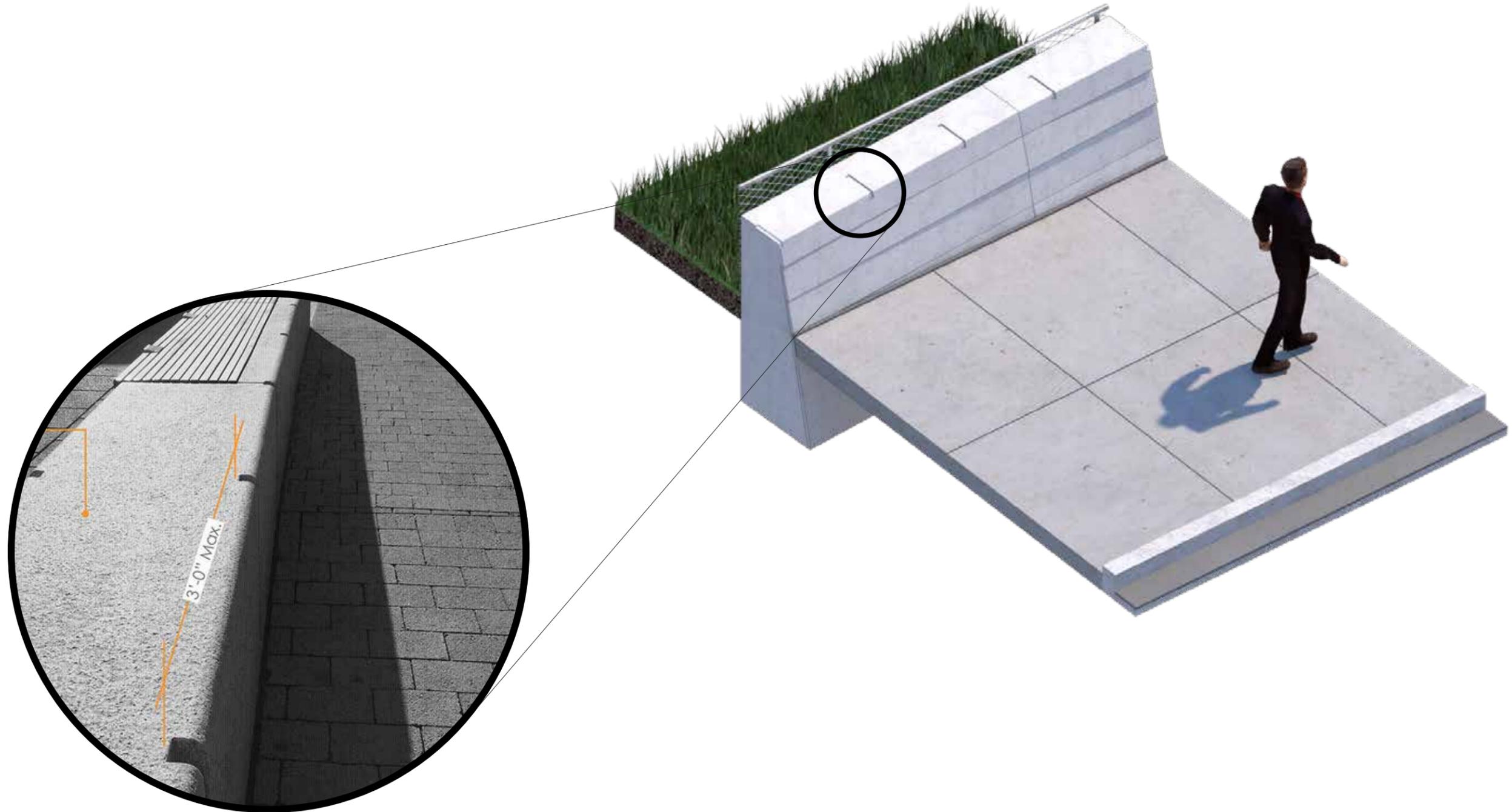
FLOOD PROTECTION

FINISHES AND SKATEBOARD DETERRENTS



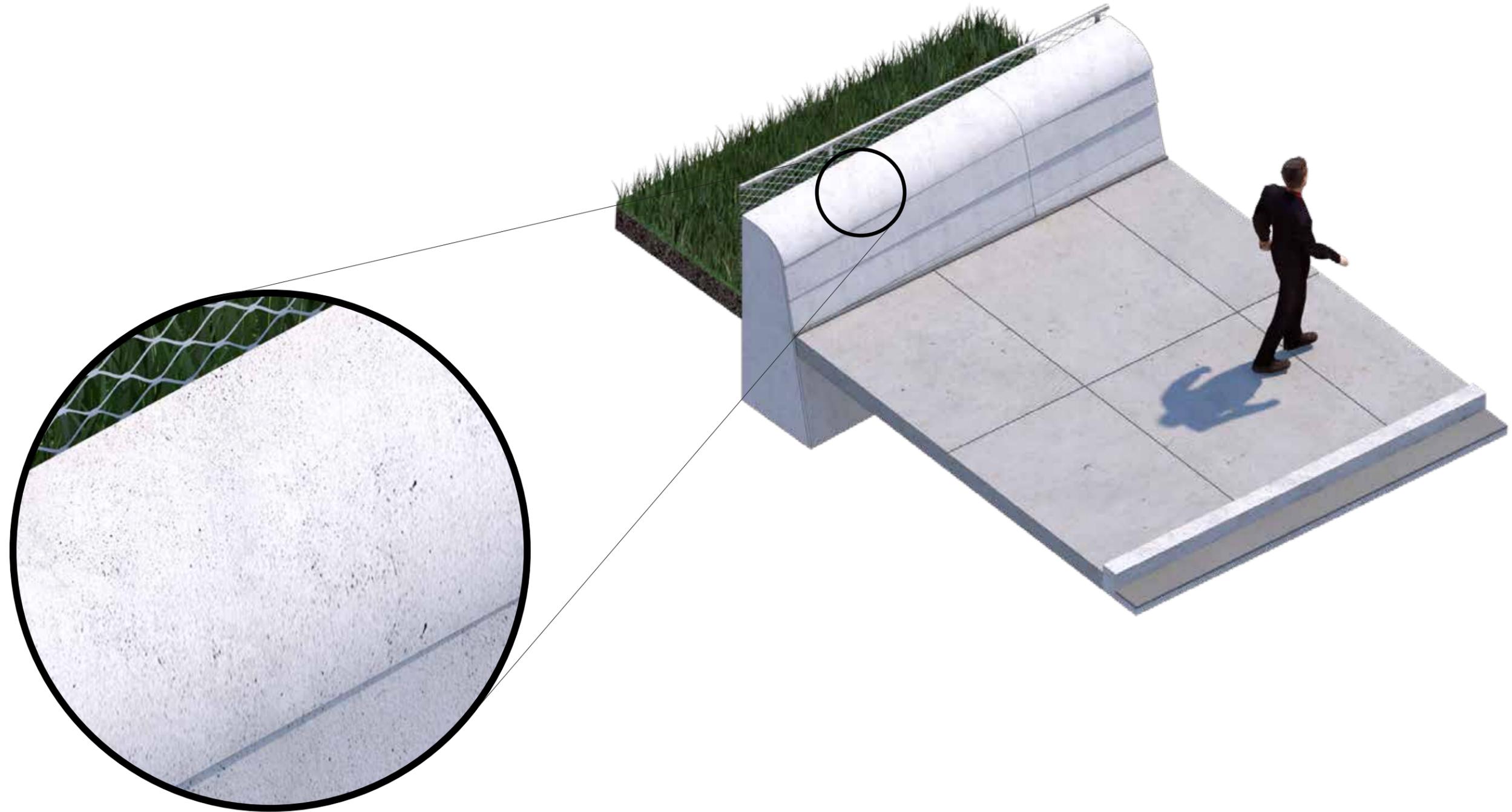
FLOOD PROTECTION

FINISHES AND SKATEBOARD DETERRENTS



FLOOD PROTECTION

FINISHES AND SKATEBOARD DETERRENTS



LIGHTING

MONTGOMERY STREET & FDR CROSSING - EXISTING CONDITIONS

WE HAVE HEARD THE COMMUNITY CONCERN THAT LIGHTING UNDER THE FDR IS INSUFFICIENT



1. MONTGOMERY STREET LOOKING EAST



2. UNDER FDR LOOKING NORTHWEST



3. MONTGOMERY STREET LIGHT FIXTURE

LIGHTING

NEW FDR LIGHTING SOUTH OF PROJECT AREA

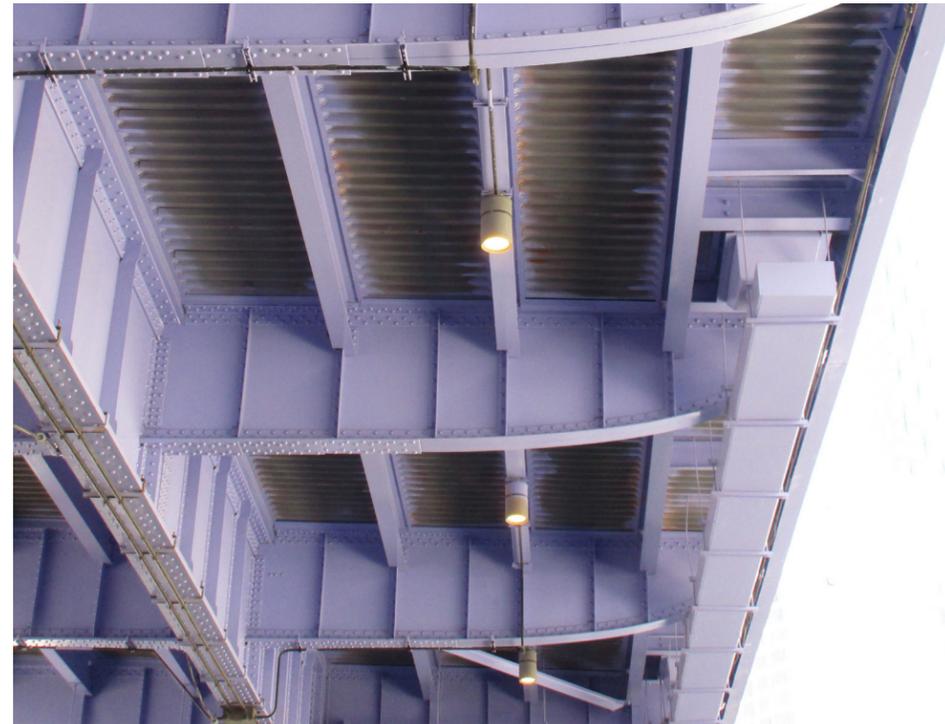
LIGHTING UNDER FDR
RECENTLY UPDATED SOUTH
OF RUTGERS STREET

THE ESCR DESIGN TEAM WILL EXPLORE:

- CONDUCTING LIGHTING STUDIES
- COORDINATION NEEDED TO INSTALL NEW LIGHTING



1. RUTGERS STREET LOOKING SOUTH



2. RUTGERS STREET LOOKING SOUTH



3. RUTGERS STREET LIGHT FIXTURE

PLANTING AREA

EXISTING CONDITIONS

EXISTING LARGE TREE TO REMAIN

SITE SLOPES SIGNIFICANTLY TO THE EAST

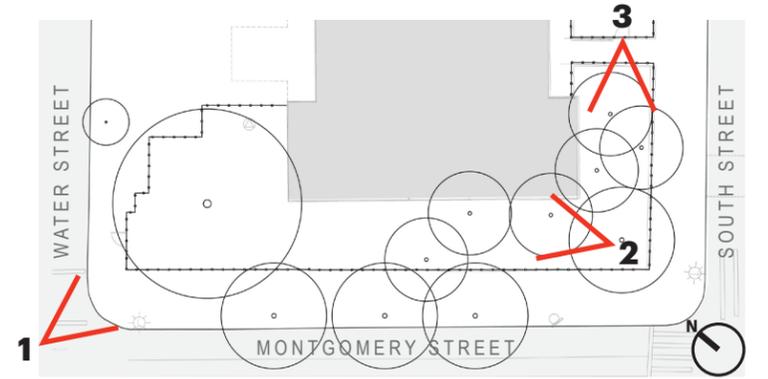


Image taken 06/07/2016

1. ENTRY GATE FACING EAST



Image taken 02/27/2018

2. GARDEN AREA FACING WEST



Image taken 02/27/2018

3. SOUTH STREET LAWN FACING SOUTH

PLANTING AREA

EXISTING CONDITIONS

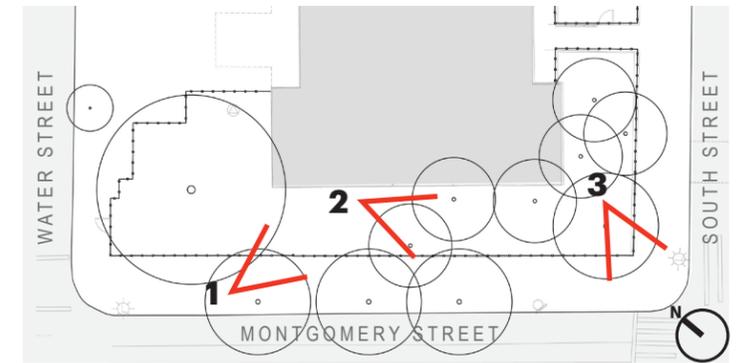


Image taken 06/07/2016

1. SUMMER FLOWERING SHRUBS



Image taken 02/27/2018

2. RECLAIMED COBBLE PATHWAY



Image taken 02/27/2018

3. GARDEN BED WITH SPRING BULBS

IMPORTANT GARDEN FEATURES

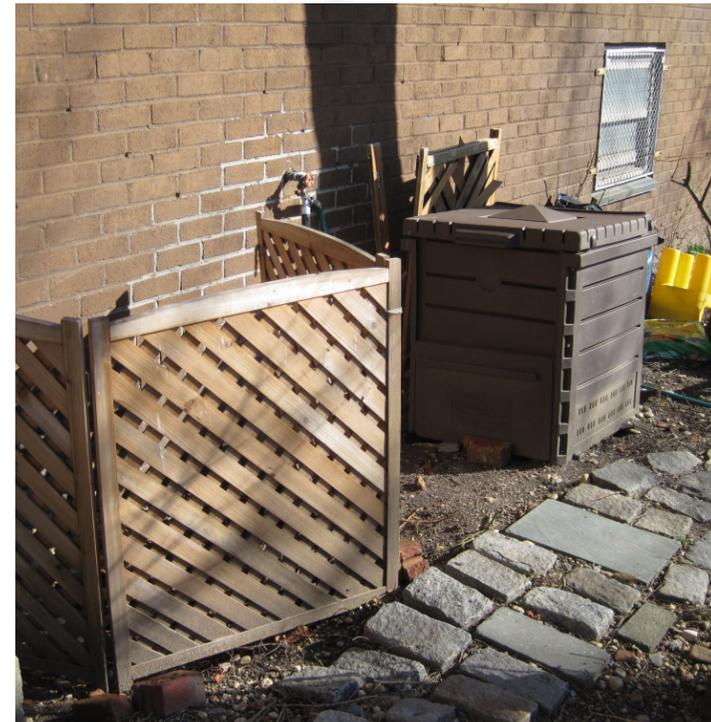
EXISTING CONDITIONS

**PRESERVE VIEWS TO
MEMORIAL PLAQUES**

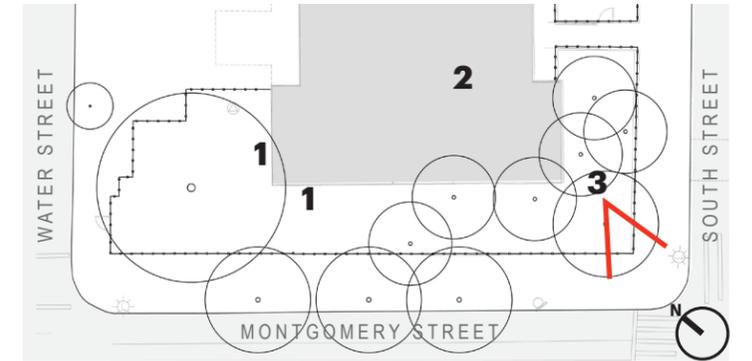


1. MEMORIAL PLAQUES

**REUSE EXISTING
COMPOST BIN**



2. COMPOST BIN & WORK AREA



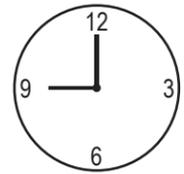
3. RECLAIMED MATERIALS

SUN / SHADE ANALYSIS

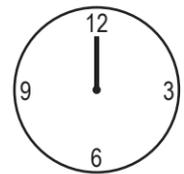
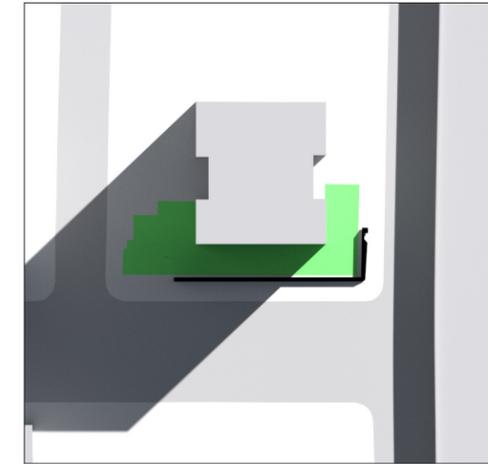
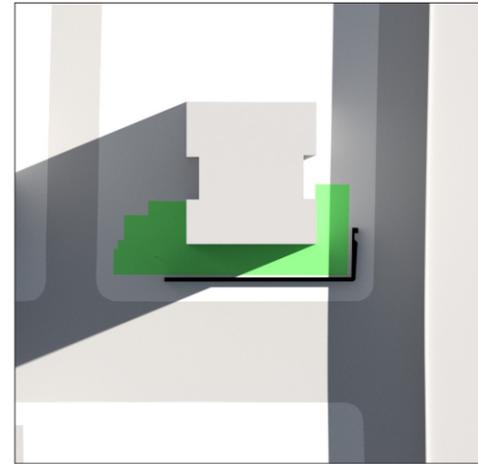
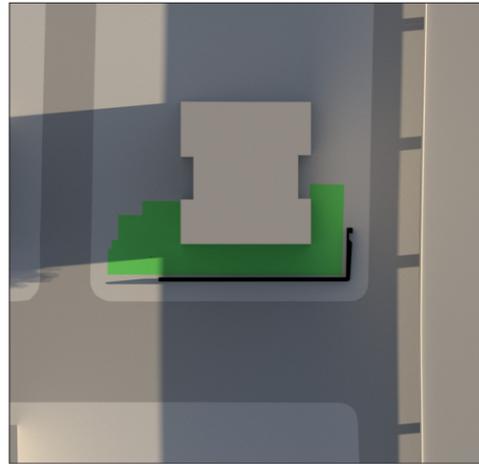
WINTER - DECEMBER 21

SPRING - MARCH 21

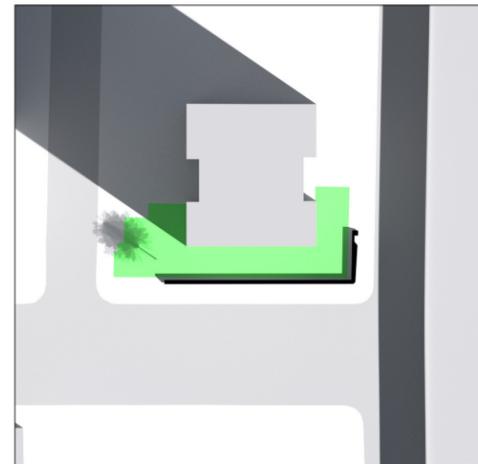
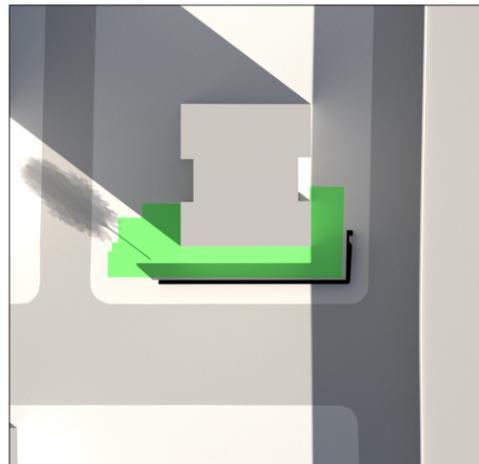
SUMMER - JUNE 21



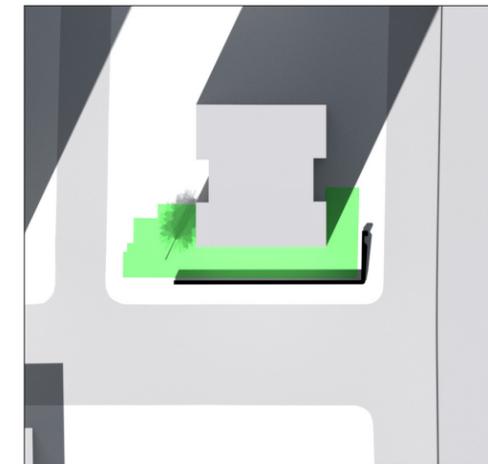
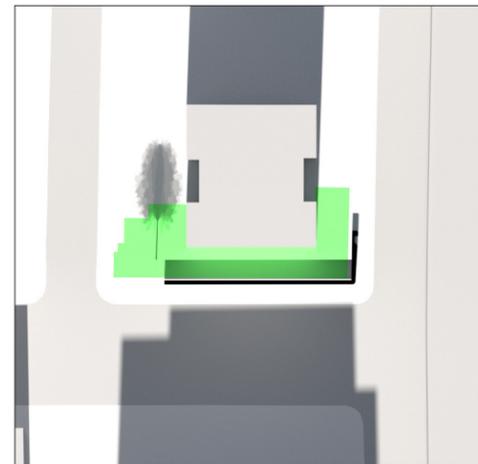
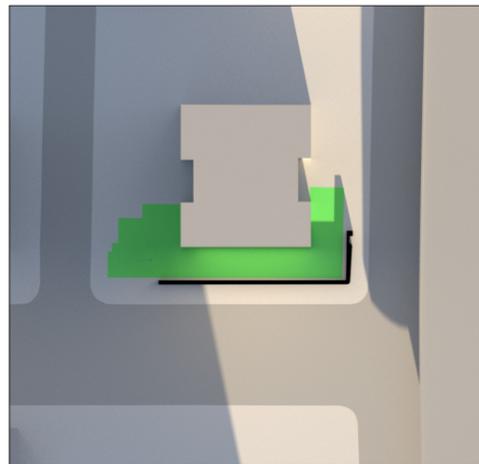
9:00am



12:00pm



3:00pm



INCREASED SUN EXPOSURE DUE TO TREE RESTRICTIONS

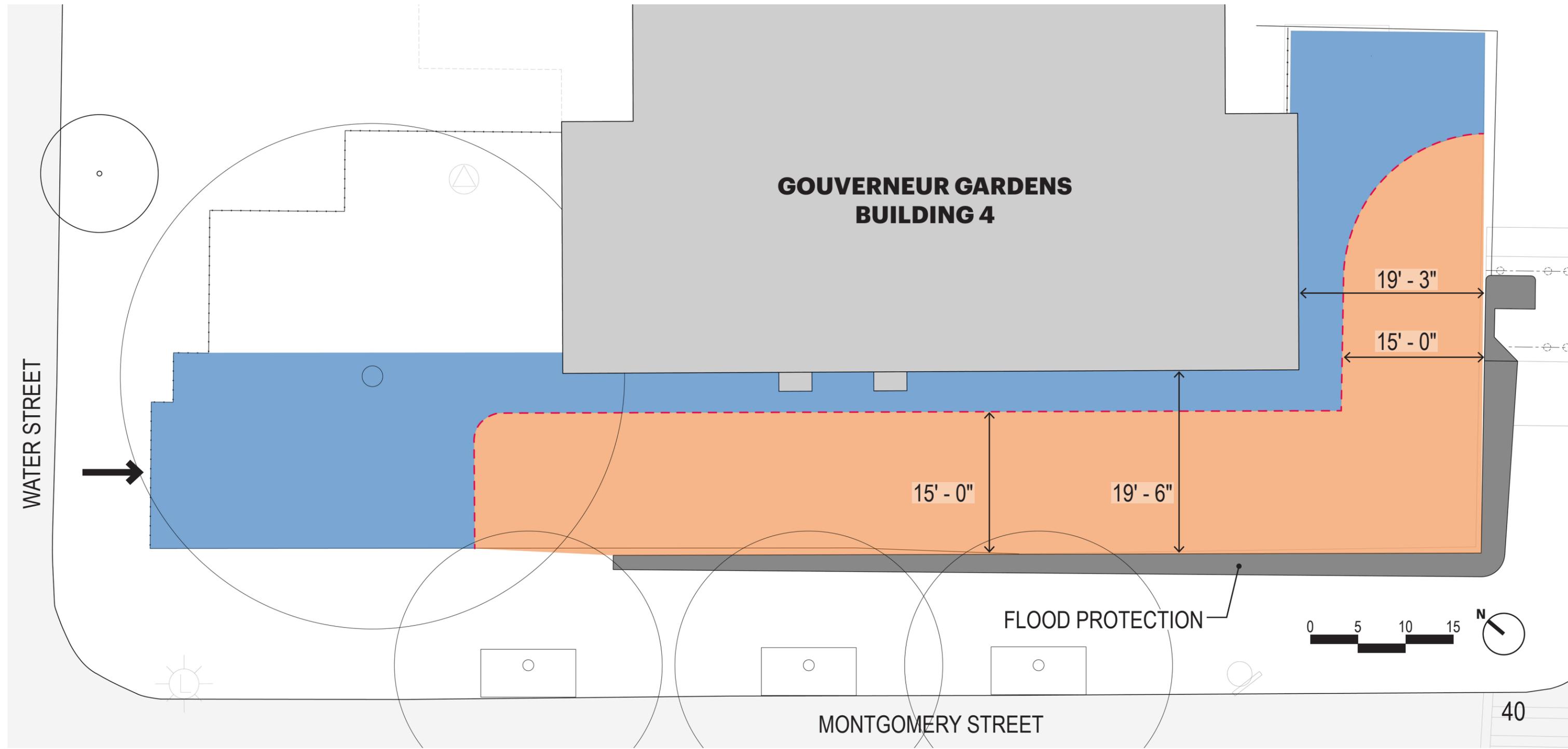


PLANTING RESTRICTIONS

FLOOD PROTECTION OFFSETS

LEGEND

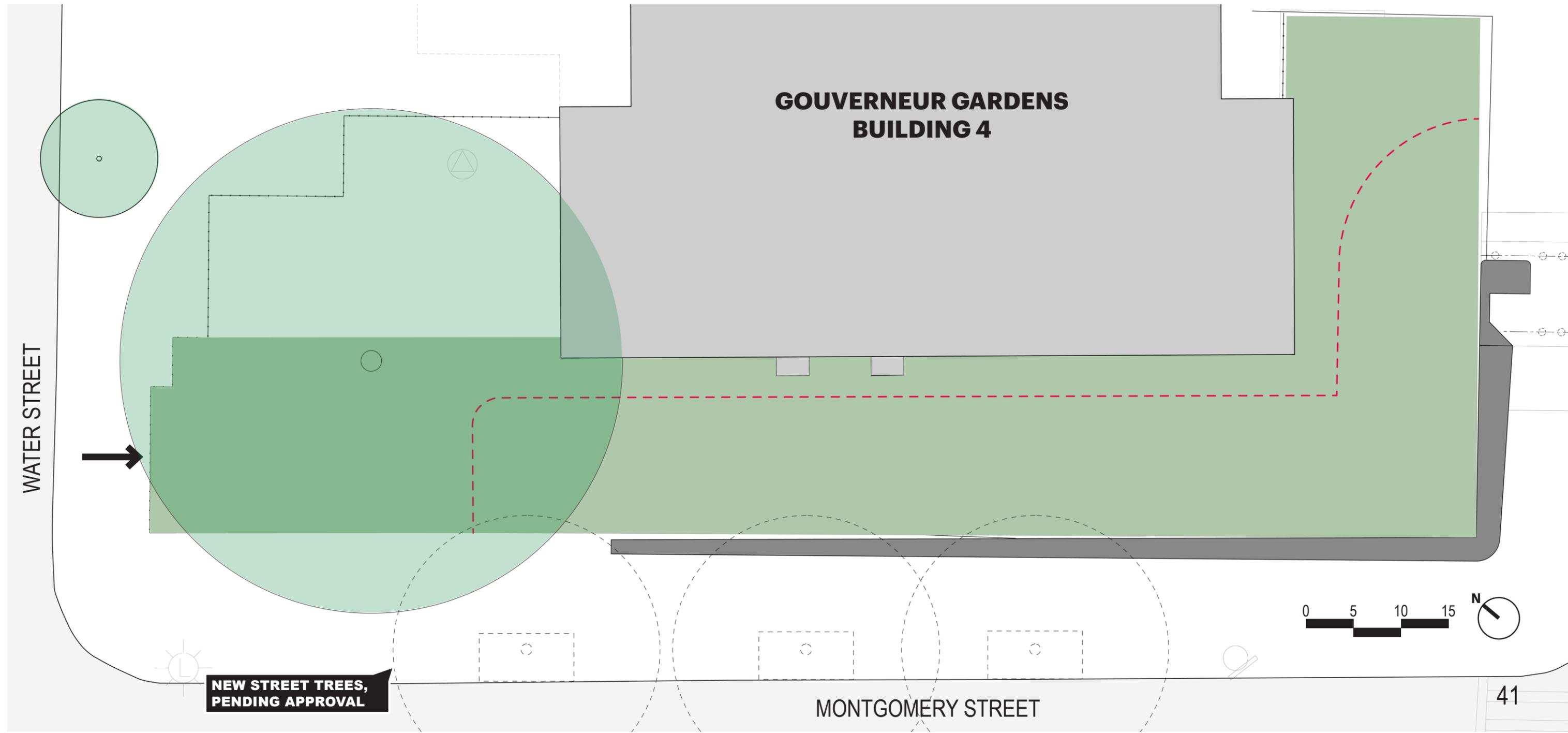
- Existing Trees
- Herbaceous + Perennial Planting Area
- Tree +/-or Woody Shrub Planting Area
- Flood protection planting offset



PROPOSED IMPROVEMENT AREA

LEGEND

-  Existing trees to remain
-  Improvement area: approx. 3,300 SF
-  Flood protection planting offset



GARDEN CONCEPT

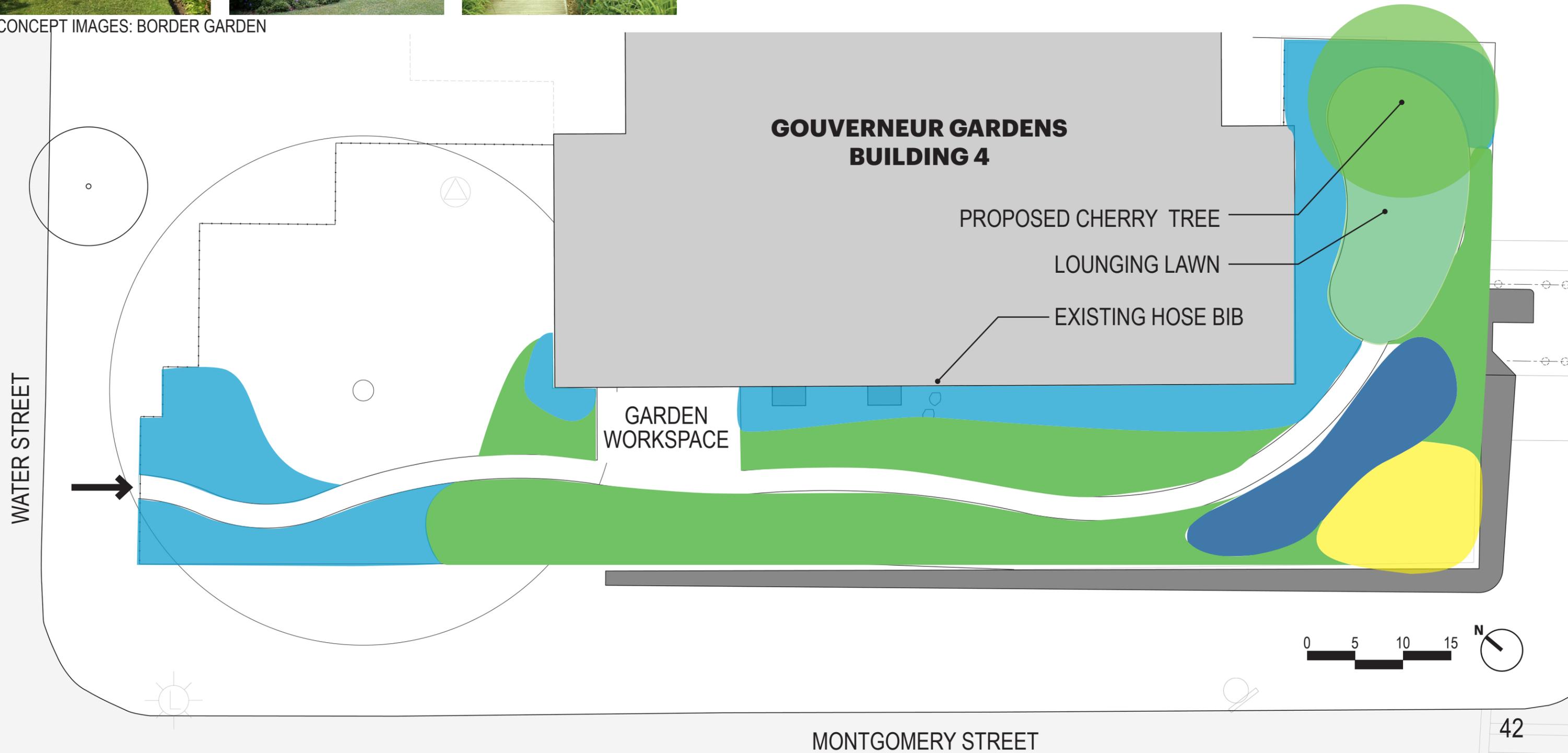
BORDER GARDEN



CONCEPT IMAGES: BORDER GARDEN

LEGEND

- Shrub Garden: Flowering Shrubs
- Rain Garden: Water Tolerant Flowers
- Border Garden: Grasses + Perennials
- Daffodil Hill Garden: Bulbs + Grasses



GARDEN CONCEPT

SHRUB LAYER



WHITE KNOCKOUT
ROSES
(*ROSA RADWHITE*)



CHERRY LAUREL
(*PRUNUS
LAUROCERASUS
'OTTO LUYKEN'*)



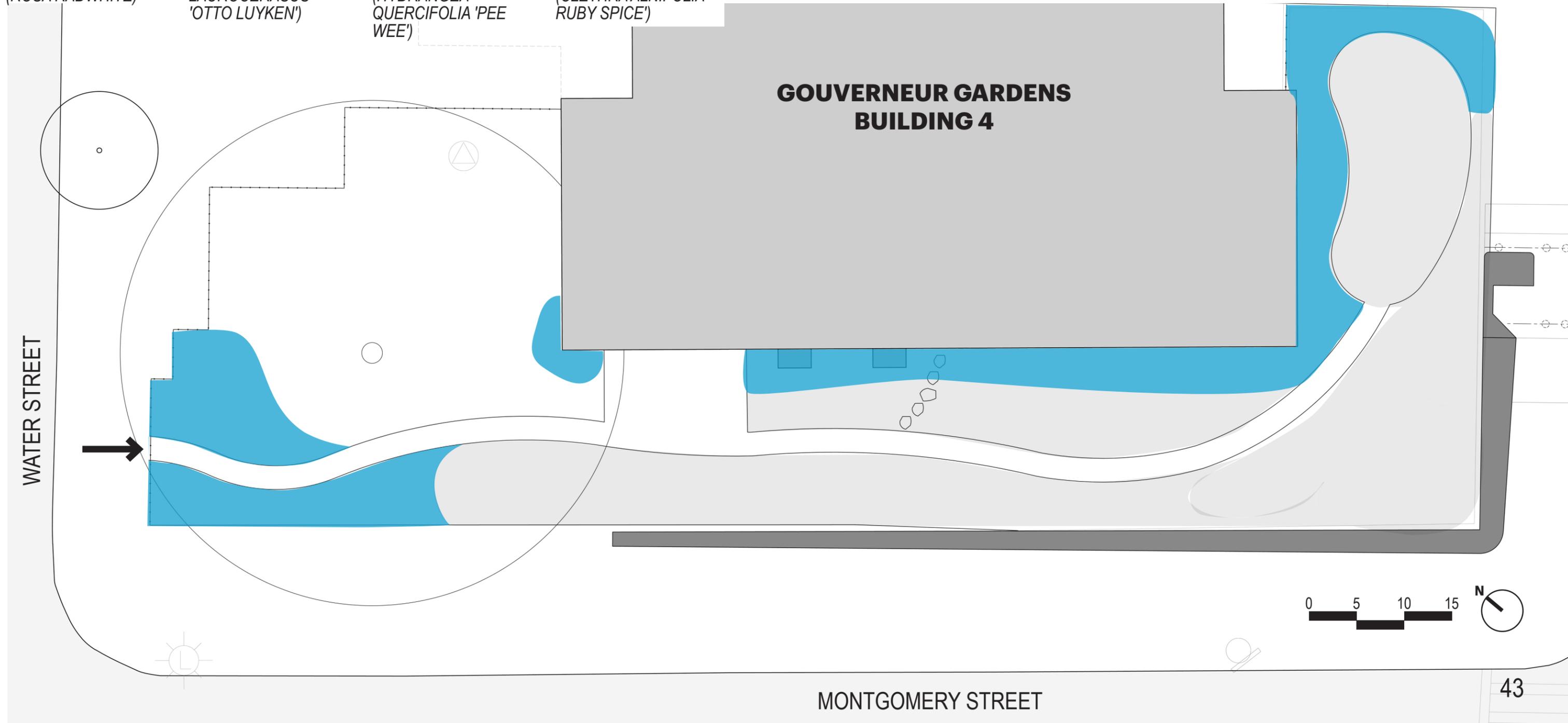
OAKLEAF
HYDRANGEA PEE WEE
(*HYDRANGEA
QUERCIFOLIA 'PEE
WEE'*)



'RUBY SPICE'
SUMMERSWEET
(*CLETHRA ALNIFOLIA '
RUBY SPICE'*)



MEYER LILAC
(*SYRINGA MEYERII*)



GARDEN CONCEPT

PERENNIAL LAYER



WILD BERGAMOT
(*MONARDA FISTULOSA*)



BLAZING STAR
(*LIATRIS SPICATA*
'FLORISTAN WHITE')



BLUE FALSE INDIGO
(*BAPTISIA AUSTRALIS*)



AUTUMN JOY
STONECROP
(*SEDUM 'AUTUMN JOY'*)



BLUE STAR AMSONIA
(*AMSONIA HUBRICHTII*)



ASTER
(*SYMPHYOTRICHUM*
NOVAE-ANGLIAE)



PEONY
(*PAEONIA LACTIFLORA*)



YARROW
(*ACHILLEA*
MILLEFOLIUM)



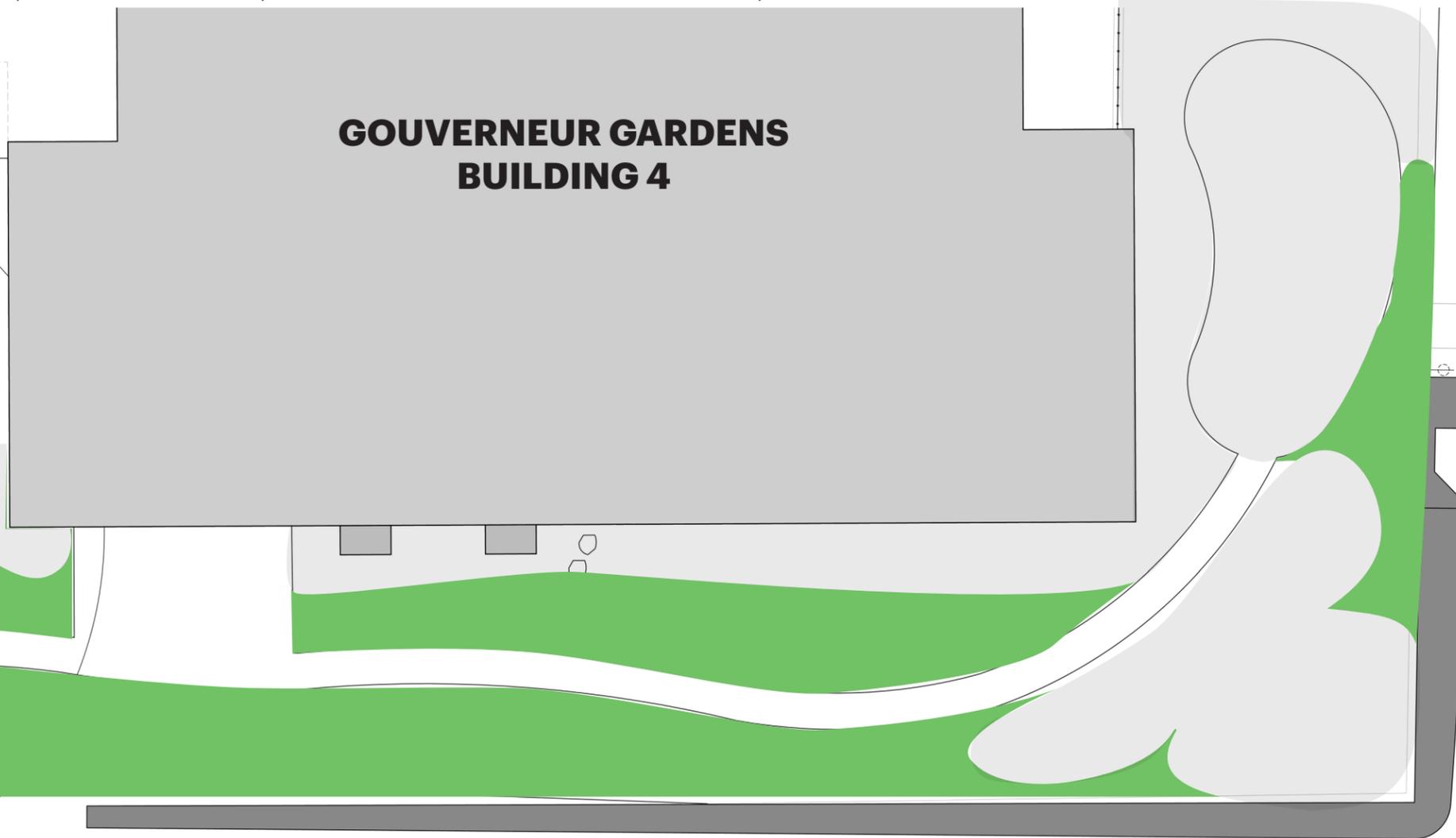
FLOWERING ONION
(*ALLIUM*)



TULIPS
(*TULIPA*)



BLUE GRAMA
(*BOUTELOUA GRACILIS*)



GARDEN CONCEPT

RAIN GARDEN



DAY LILLIES
(HEMEROCALLIS)



BLAZING STAR
(LIATRIS SPICATA
'FLORISTAN WHITE')



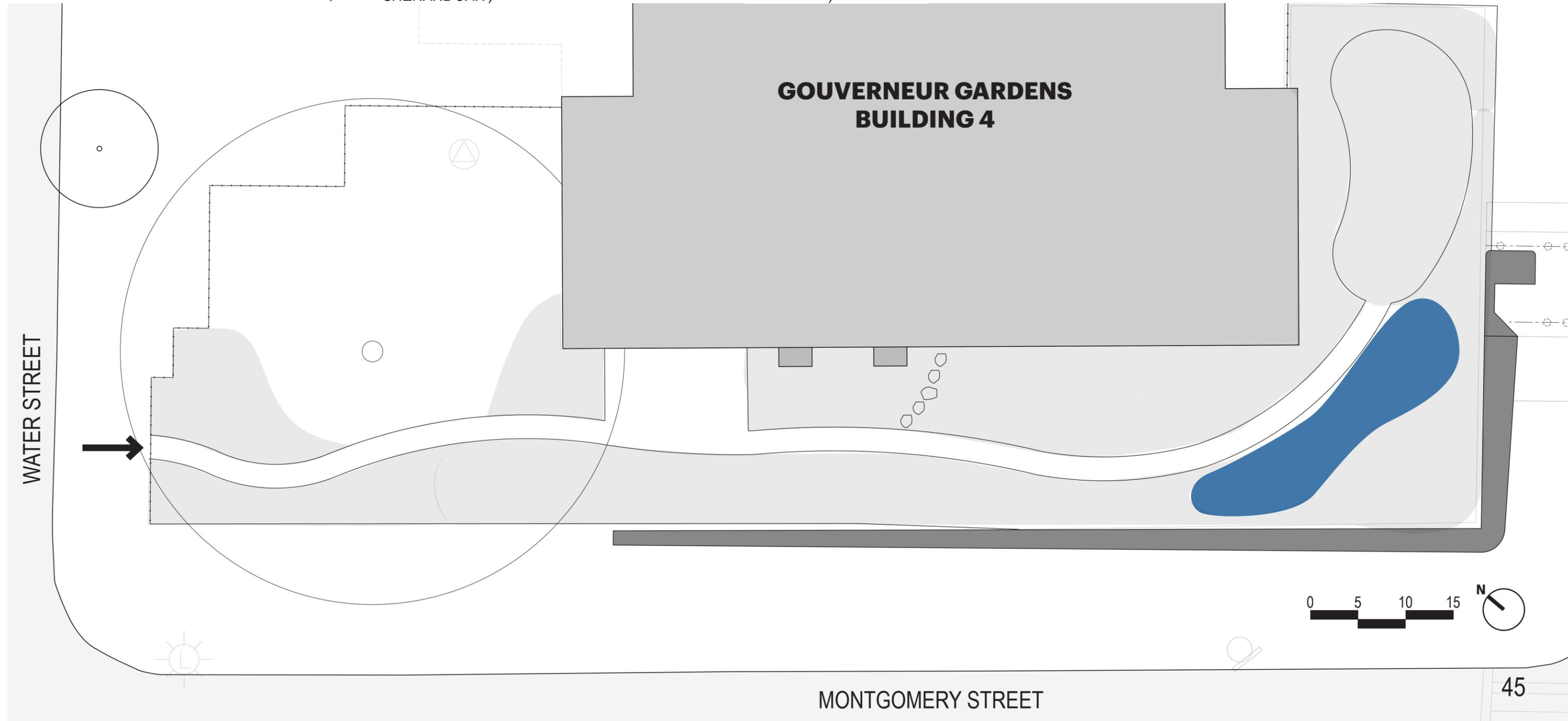
SWITCHGRASS
(PANICUM VIGATUM
'SHENANDOAH')



BLUE SEDGE
(CAREX FLACCA)



SPIDERWORT
(TRADESCANTIA
VIRGINIANA)



GARDEN CONCEPT

DAFFODIL HILL



DAFFODIL
(*NARCISSUS*)



BLUE STAR AMSONIA
(*AMSONIA HUBRICHTII*)



BLAZING STAR
(*LIATRIS SPICATA*
'FLORISTAN WHITE')



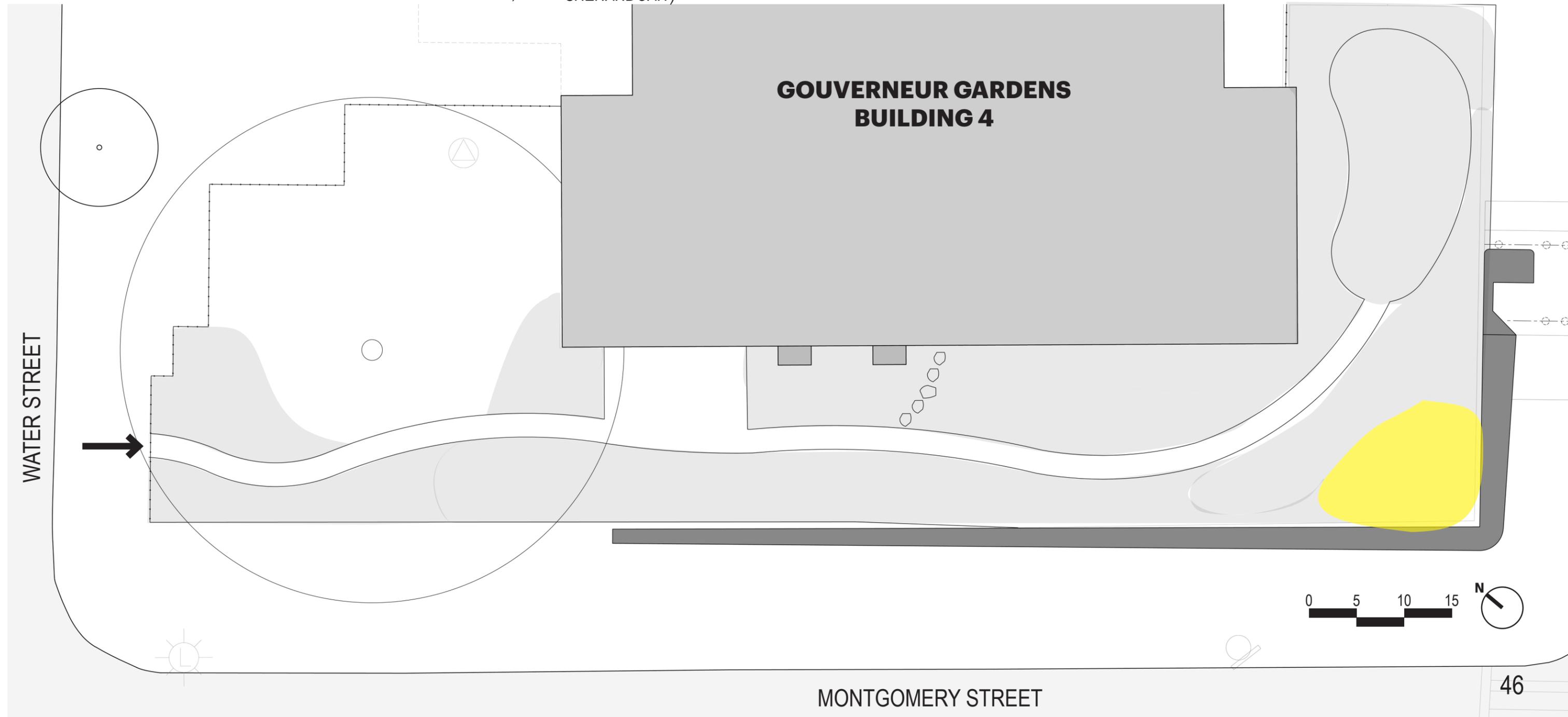
SWITCHGRASS
(*PANICUM VIGATUM*
'SHENANDOAH')



BLUE SEDGE
(*CAREX FLACCA*)



YARROW
(*ACHILLEA MILLEFOLIUM*)



**GOUVERNEUR GARDENS
BUILDING 4**

WATER STREET

MONTGOMERY STREET



PLANT PALETTE

DESIGNING FOR SEASONS IN THE GARDEN

ARE THERE OTHER PLANTS THAT THE GOUVERNEUR GARDENS RESIDENTS WOULD LIKE TO SEE IN THE GARDEN?

BOTANICAL NAME		COMMON NAME	J	F	M	A	M	J	J	A	S	O	N	D
TREES	<i>Prunus 'Okame'</i>	Flowering Cherry												
SHRUBS	<i>Clethra alnifolia 'Ruby Spice'</i>	Ruby Spice Summersweet												
	<i>Hydrangea quercifolia 'Pee Wee'</i>	Oakleaf Hydrangea Pee Wee												
	<i>Prunus Laurocerasus 'Otto Luyken'</i>	Cherry Laurel												
	<i>Rosa radwhite</i>	White Knockout Roses												
	<i>Syringa meyerii 'Palibin'</i>	Meyer Lilac												
BULBS	<i>Allium 'Globemaster'</i>	Flowering Onion												
	<i>Hemerocallis 'Ciel D'Or'</i>	Day Lily												
	<i>Narcissus</i>	Daffodil												
	<i>Tulipa 'Rembrandt'</i>	Tulip												
PERENNIALS	<i>Achillea millefolium 'Desert Eve'</i>	Yarrow												
	<i>Amsonia hubrichtii</i>	Blue Star Amsonia												
	<i>Baptisia australis</i>	Blue False Indigo												
	<i>Hylotelephium 'herbstfreude'</i>	Autumn Joy Sedum												
	<i>Iris 'America's Cup'</i>	White Iris												
	<i>Liatris spicata 'Floristan White'</i>	White Blazing Star												
	<i>Liriope muscari</i>	Lilyturf												
	<i>Monarda fistulosa</i>	Wild Bergamot												
	<i>Paeonia lactiflora 'Sarah Bernhardt'</i>	Peony												
	<i>Salvia x sylvestris</i>	Wood Sage												
	<i>Symphotrichum novae-angliae</i>	New England Aster												
<i>Tradescantia virginiana</i>	Spiderwort													
GRASSES	<i>Bouteloua gracilis 'Blonde Ambition'</i>	Blue Grama 'Blonde Ambition'												
	<i>Carex flacca</i>	Blue Sedge												
	<i>Helictotrichon sempervirens</i>	Blue Oat Grass												
	<i>Panicum virgatum 'Shenandoah'</i>	Shenandoah Switchgrass												
	<i>Panicum virgatum 'Heavy Metal'</i>	Heavy Metal Switchgrass												
	<i>Sesleria autumnalis</i>	Autumn Moor Grass												
	<i>Varies</i>	Lawn/Turf Grass												

PLANTS IN BOLD FONT ARE TYPES THAT ALREADY EXIST IN THE GARDEN

NEXT STEPS IN THE DESIGN PROCESS

DESIGN QUESTIONS THAT WE ARE WORKING ON

LIGHTING UNDER THE FDR DRIVE

- Design Team is investigating the solutions for improving lighting under the FDR Drive at Montgomery Street

FLOOD PROTECTION

- Design Team is studying finishes for the flood protection at Gouverneur Gardens

STREETScape IMPROVEMENTS

- Design Team is studying opportunities for expanding the sidewalk under the FDR Drive for an improved access to East River Park
- Design Team is inquiring about opportunities to plant street trees along Montgomery Street, adjacent to Gouverneur Gardens Building 4

AGENDA

An aerial architectural rendering of a city waterfront development project, overlaid with a semi-transparent teal color. The rendering shows a dense urban grid of buildings, a waterfront promenade with green spaces and sports fields, and a bridge crossing a body of water. The text is centered on the left side of the image.

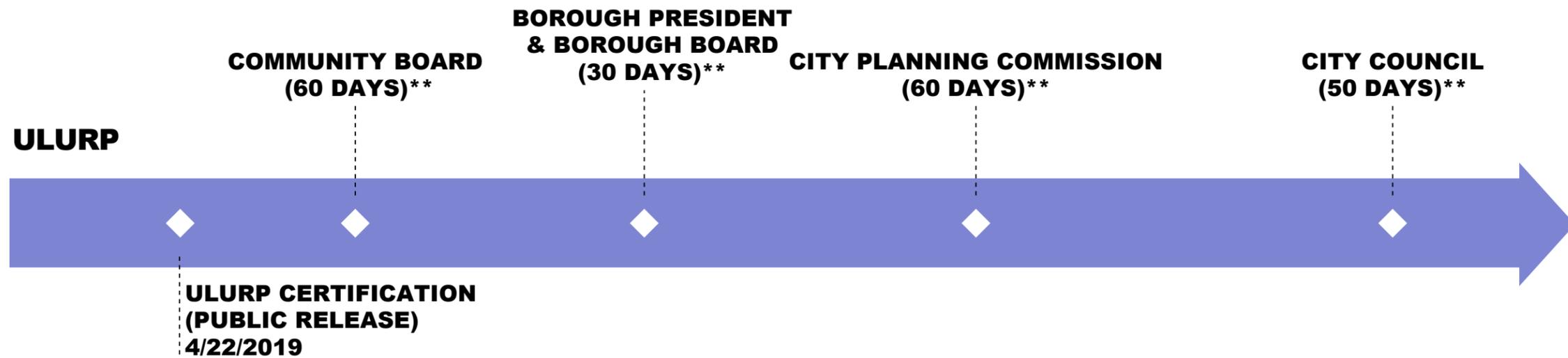
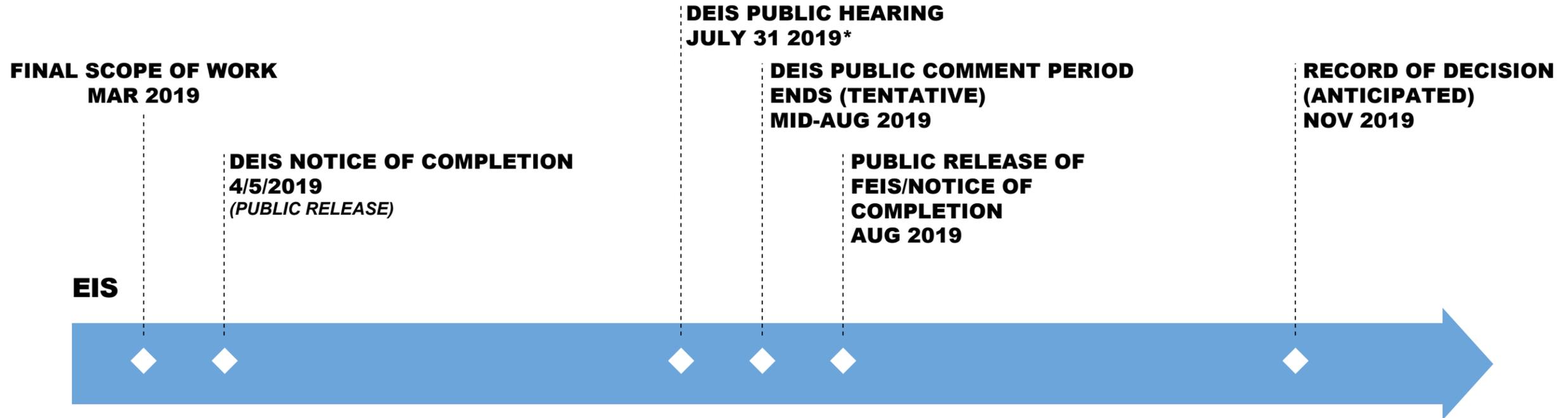
PROJECT UPDATES

DESIGN WALKTHROUGH

GOUVERNEUR GARDENS UPDATE

ENVIRONMENTAL REVIEW AND APPROVALS

PRELIMINARY ENVIRONMENTAL REVIEW SCHEDULE



* DEIS COMMENT PERIOD EXTENDS 15 DAYS AFTER PUBLIC HEARING

** INCLUDES PUBLIC HEARING

ENVIRONMENTAL REVIEW STANDARDS

PROJECT REVIEW BEING CONDUCTED UNDER 3 STATUTES:

- **National Environmental Policy Act (NEPA)**
 - **State Environmental Quality Review Act (SEQRA)**
 - **City Environmental Quality Review (CEQR)**
- (Environmental Impact Statement (EIS) will satisfy requirements of all three statutes.)*

COORDINATED ENVIRONMENTAL REVIEW PROCESS

LEAD AGENCIES:

- **NEPA - NYC Office of Management and Budget (OMB)**
 - **SEQRA/CEQR - Department of Parks & Recreation**
- (Environmental review coordinated by head agencies, with cooperating, involved and interested Federal, State and City agencies.)*

ALTERNATIVES ANALYZED IN THE DEIS

ALTERNATIVE 1: No Action Alternative

ALTERNATIVE 2: Flood Protection System on the West Side of East River Park – Baseline

ALTERNATIVE 3: Flood Protection System on the West Side of East River Park – Enhanced Park and Access

**ALTERNATIVE 4: Flood Protection System with a Raised East River Park
(Preferred Alternative)**

ALTERNATIVE 5: Flood Protection System East of FDR Drive

UNIFORM LAND USE REVIEW PROCEDURE (ULURP)

PRELIMINARY PROPOSED ACTIONS

Acquisitions (Easements) Needed

- **Gouverneur Gardens Cooperative**
- **East River Housing Corporation**
- **NYCHA (Riis Houses and Baruch Houses)**
- **Con Edison**
- **Captain Patrick J Brown Walk (NYSDOT)**
- **VA Medical Center**

Zoning text amendment to exempt Stuyvesant Cove Park from waterfront zoning requirements.

City map change (anticipated at a later date) for the reconstruction of pedestrian bridges.

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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