East Side Coastal Resiliency

Community Board 3
Parks and Waterfront Committee Meeting

January 10, 2019

BRC Senior Services Center

NYC DDC | NYC Parks | NEW YORK CITY DOT | NYC Environmental Protection | NYC Mayor's Office of Recovery & Resiliency

COMMUNITY MEETINGS 12/10 AND 12/11

IMPROVED SCHEDULE

OPERABLE SYSTEMS FOR 2023 HURRICANE SEASON

PRESENTATION AGENDA

DESIGN UPDATE

- WATERFRONT ACCESS
- PLANTING & BIODIVERSITY
- AMPHITHEATER PLANNING
- DRAINAGE INFRASTRUCTURE


EAST RIVER PARK DESIGN UPDATE
WATERFRONT ACCESS
PLANTING & BIODIVERSITY
AMPHITHEATER PLANNING

CONSIDERATIONS FOR EAST RIVER PARK

IMPROVE THE BULKHEAD AND INCREASE ITS STRUCTURAL CAPACITY

IMPROVE THE ECOLOGICAL HEALTH OF THE PARK NOW AND FOR THE FUTURE

IMPROVE EQUITABLE ACCESS TO EAST RIVER PARK AND THE WATERFRONT

WATERFRONT ACCESS

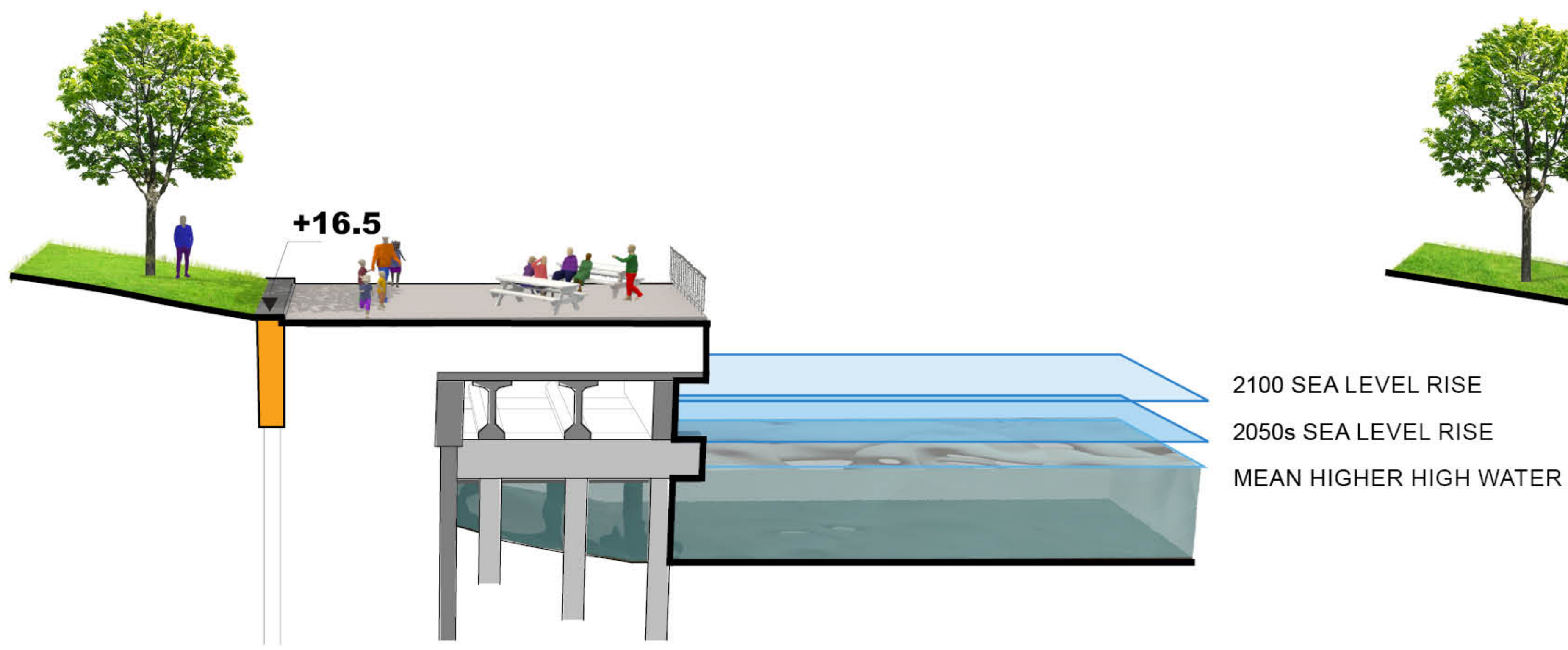
EXISTING ESPLANADE

PROPOSED ESPLANADE & EMBAYMENTS

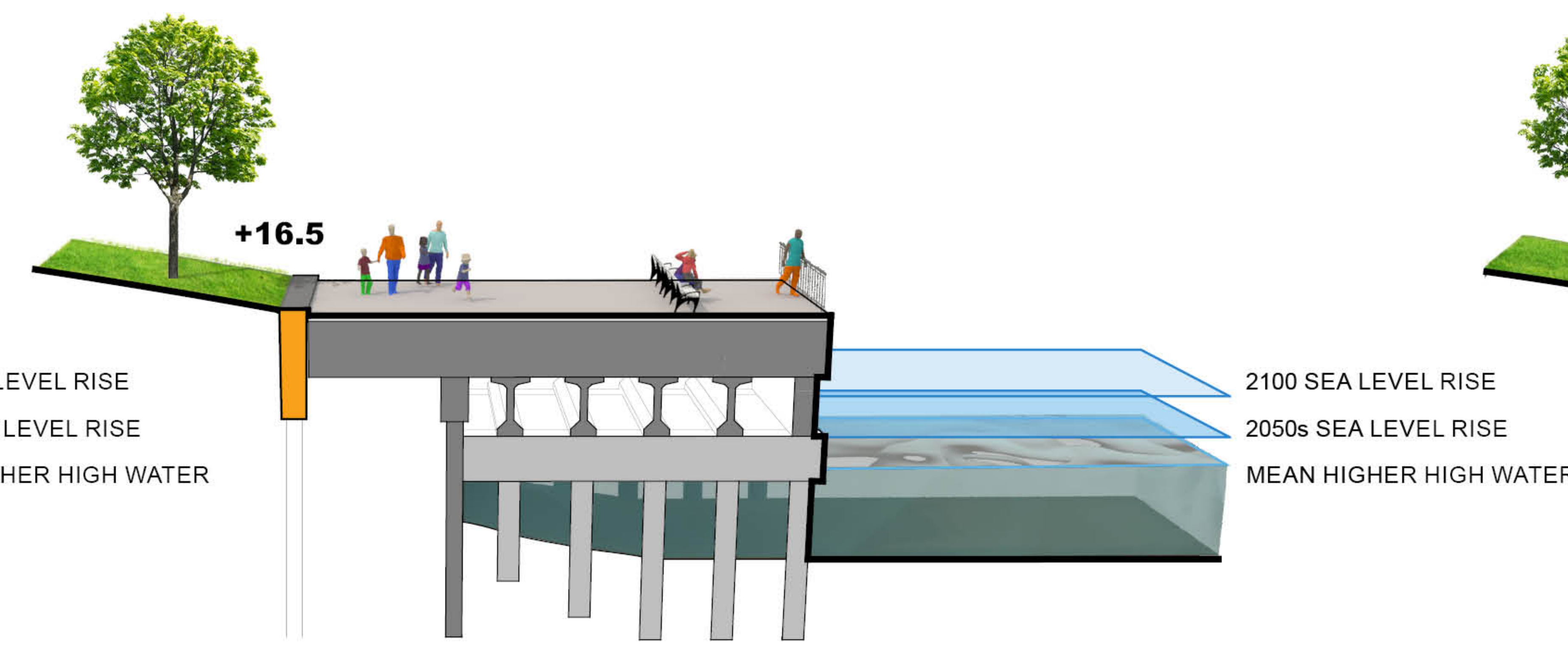
EMBAYMENTS LOCATED AT TWO NEIGHBORHOOD ZONES CONNECT THE COMMUNITY TO THE WATER AS THEY ARRIVE

ESPLANADE - NEIGHBORHOOD PARK SPACES

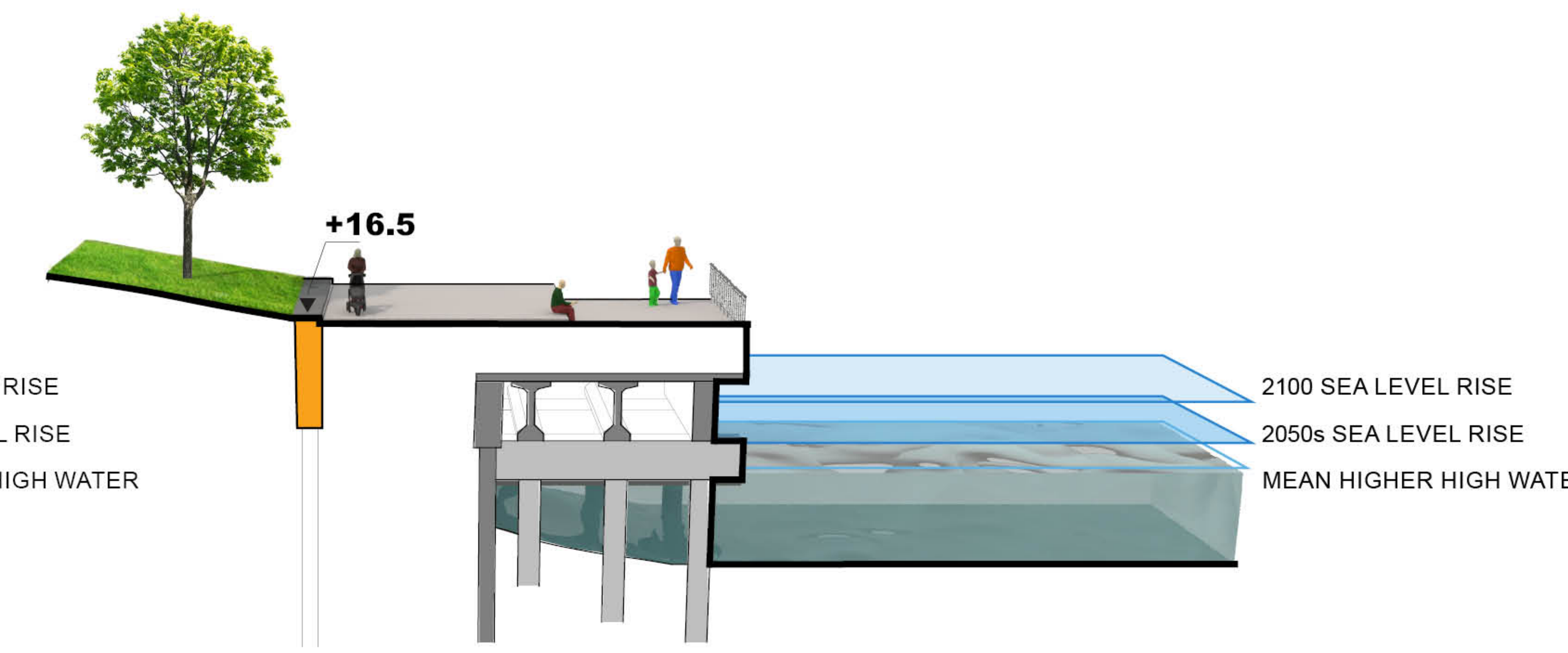
ESPLANADE DESIGN TYPOLOGIES



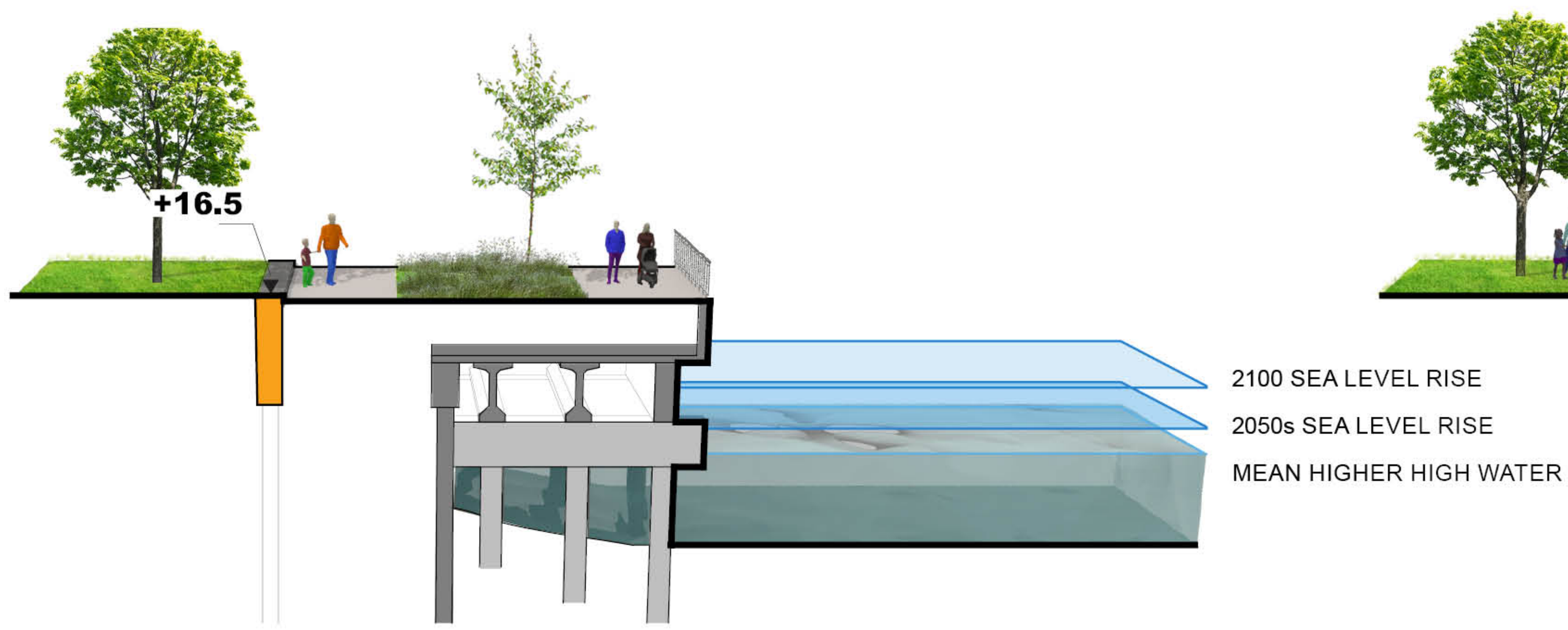
ACTIVE EDGE



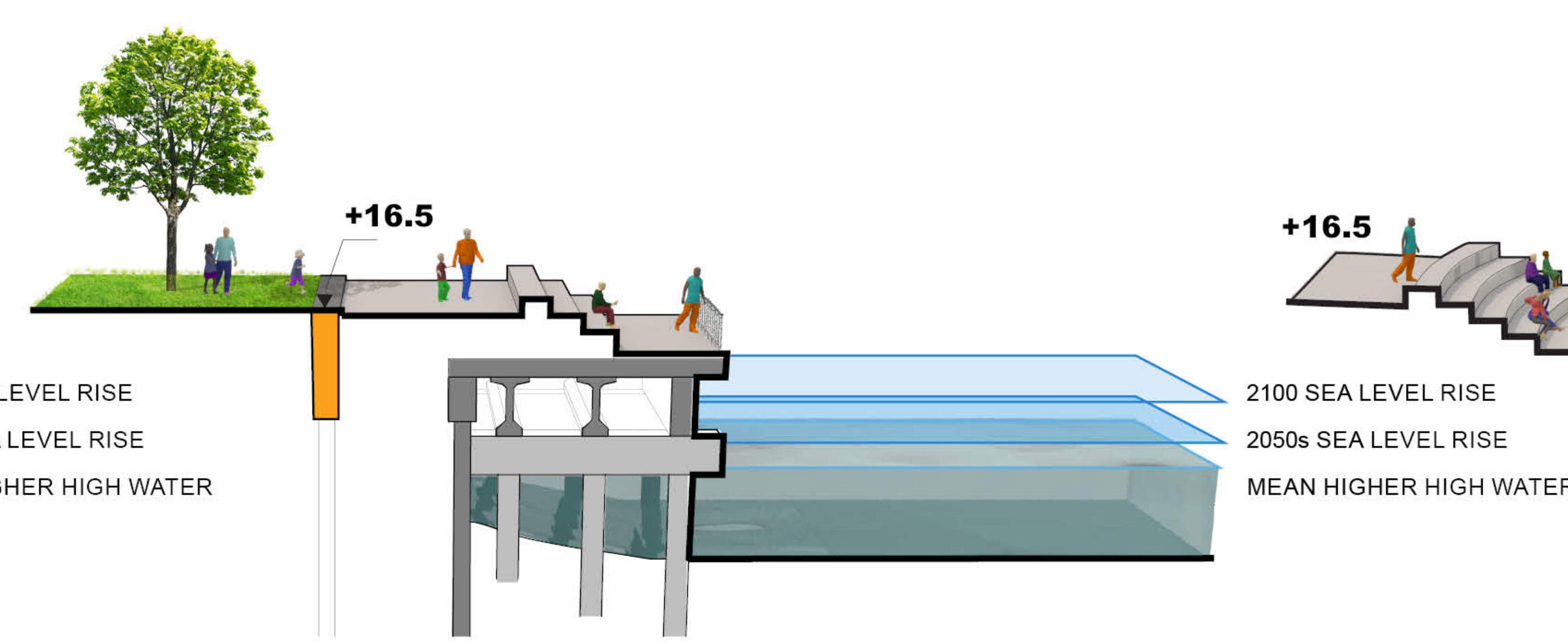
CIVIC PROMENADE



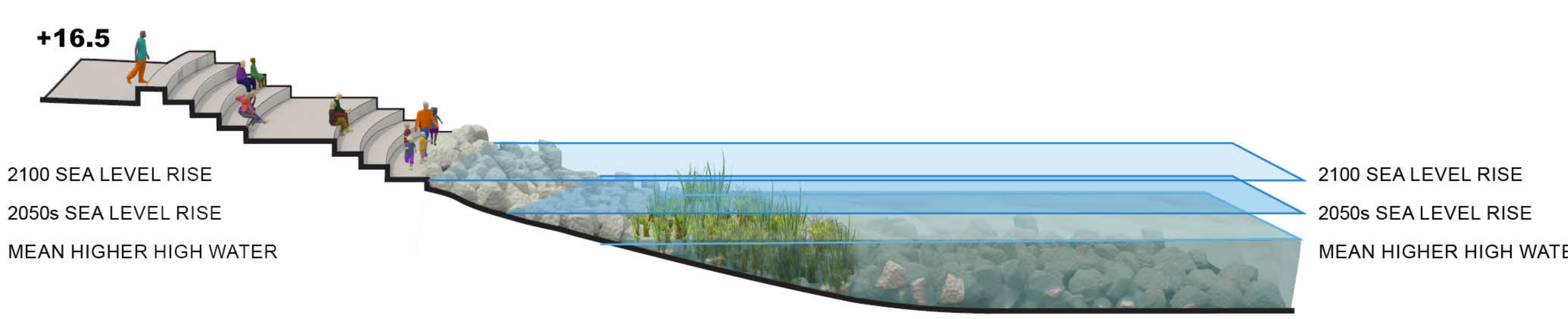
STEP UP



PLANTED NOOKS



STEP DOWN



EMBAYMENT

ESPLANADE EMBAYMENT STEPDOWNS - HOUSTON STREET

ESPLANADE EMBAYMENT STEPDOWNS - HOUSTON STREET

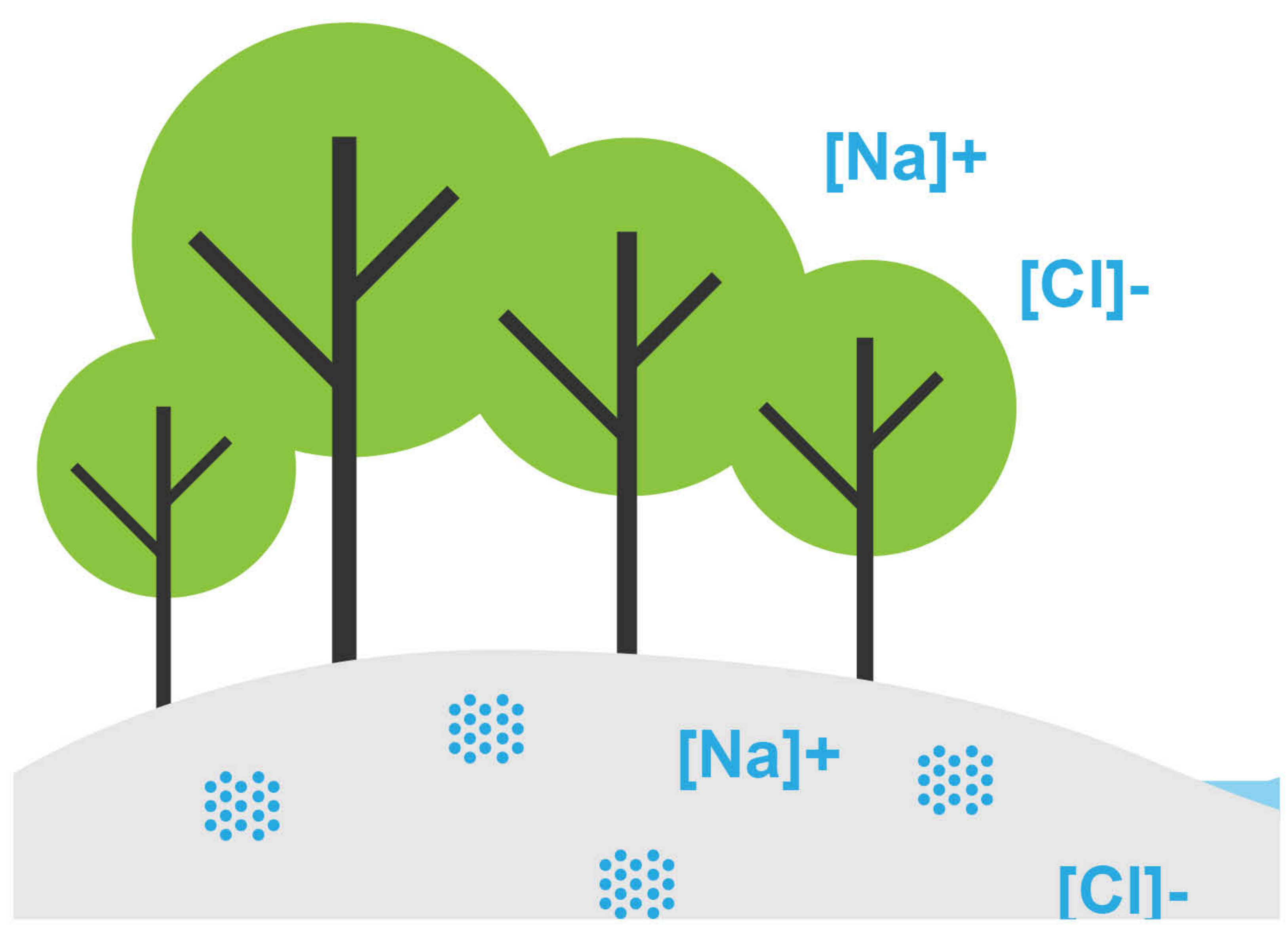
PLANTING & BIODIVERSITY

PARK RESILIENCY

SPECIES DIVERSITY

HABITAT

MAINTENANCE & CARE



SALT SPRAY

WIND

PARK TREE HISTORY & EVOLUTION

1939

2015

EAST RIVER PARK TREE SURVEY

Date: 9.23.2015

EXISTING SPECIES DISTRIBUTION

LEGEND
Tree Species

- Pin Oak
- London Planetree
- Honey Locust
- Callery Pear
- Silver Linden
- Northern Red Oak
- Sweetgum
- Other

Diagram Date: 9.23.2015

EXISTING TREES ARE LOW-LYING WITH FLOOD RISK

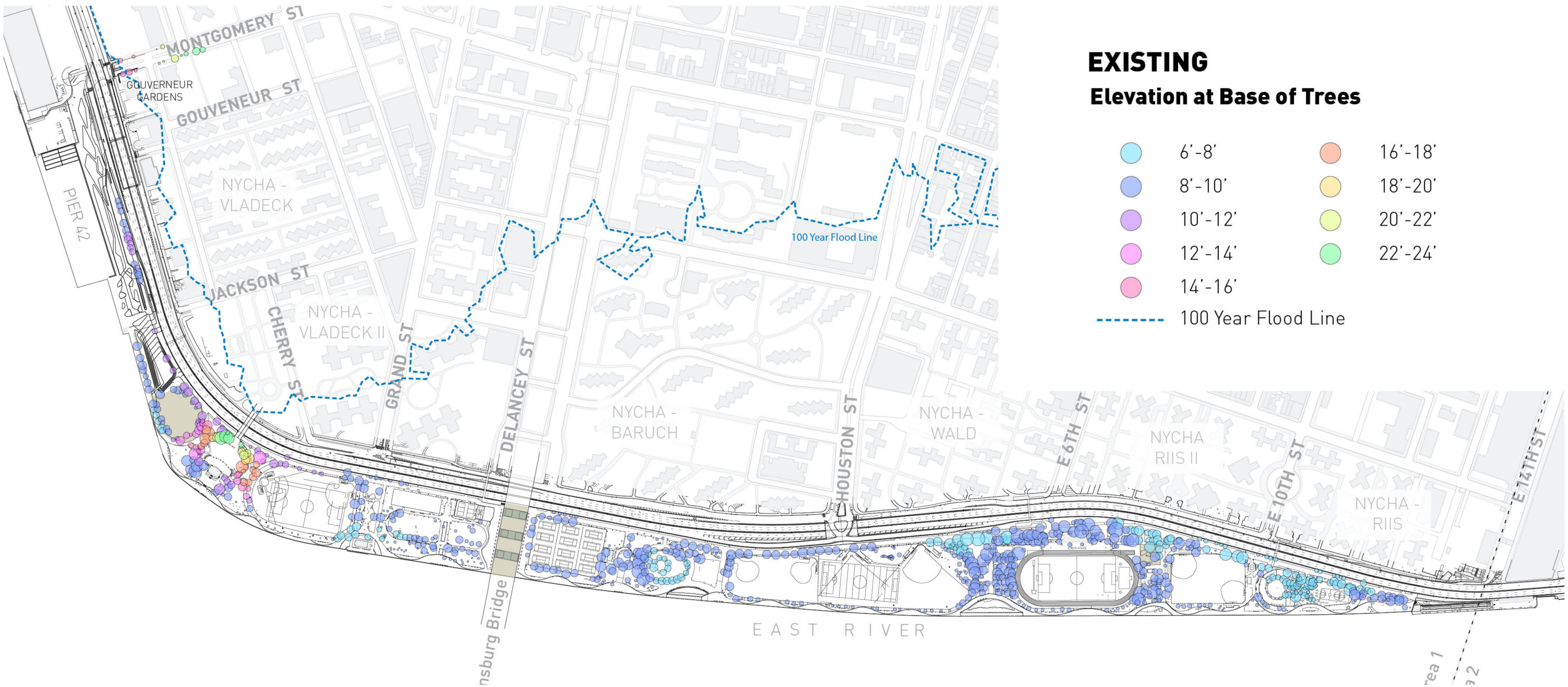


Diagram Date: 9.23.2015

POST-SANDY CANOPY CHANGE

POST-SANDY CANOPY CHANGE

Tree #644

https://www.sciencedirect.com/science/article/pii/S016920461830286X

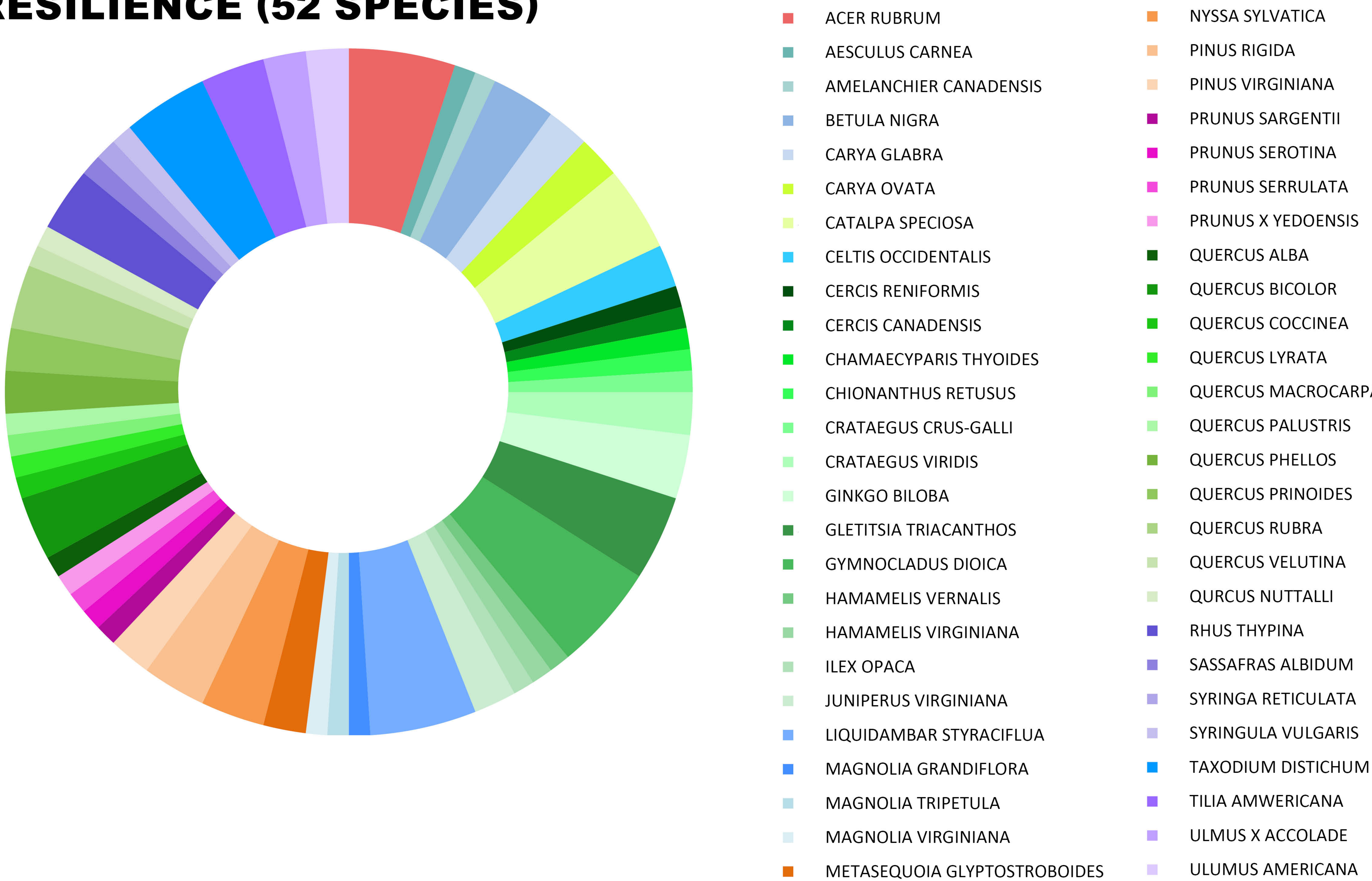
PRIOR PLANTING CONCEPT - MARCH 2018

In areas of flood protection existing trees will be removed, topography will be elevated, and park landscapes will be planted with resilient tree species at higher elevations. Project-wide approximately 700-750 trees will be removed in a phased construction approach, and approximately 1,200 new trees will be planted.

COMMUNITY BOARD 3 MEETING PRESENTATION: 3.15.2018

PROPOSED PLANTING CONCEPT

PROPOSED SPECIES & DISTRIBUTION FOR ECOLOGICAL RESILIENCE (52 SPECIES)

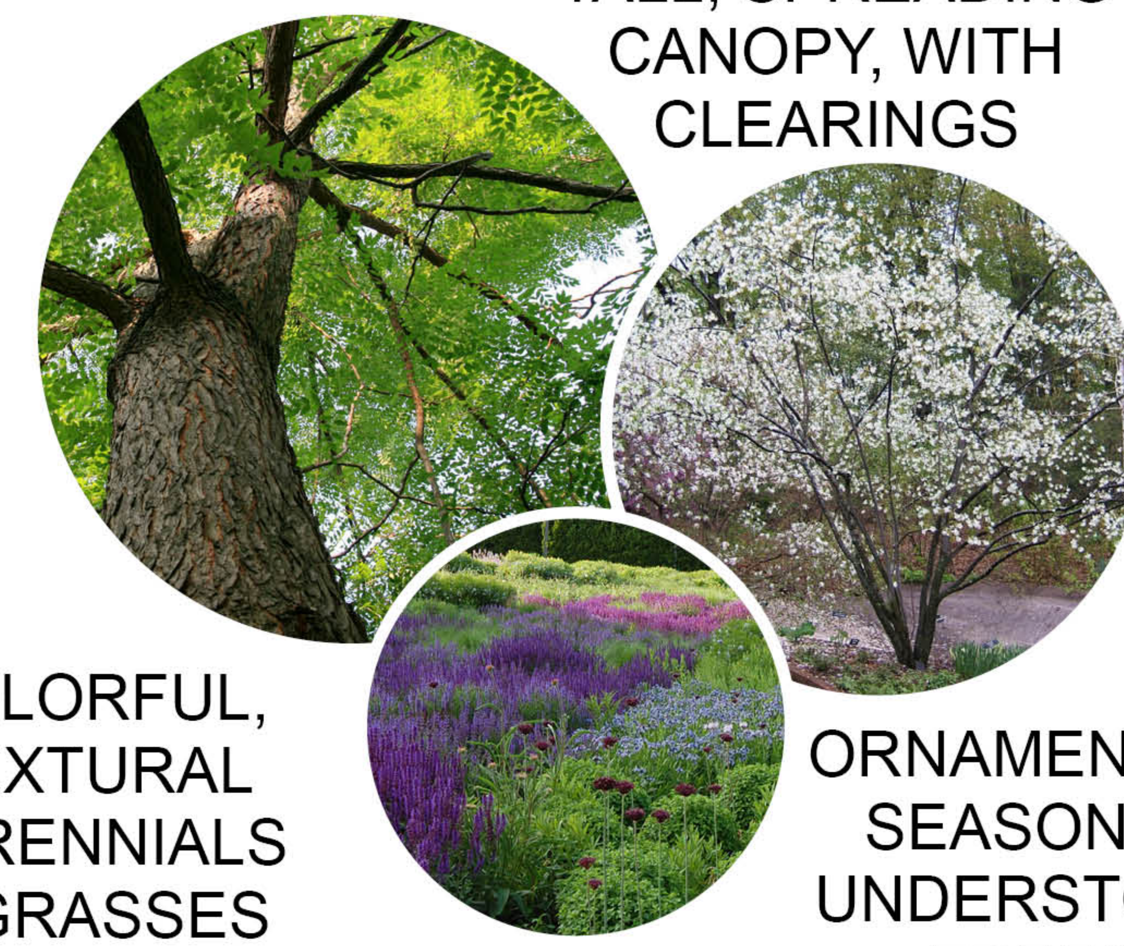


PLANTING CONCEPT

TALL, SPREADING CANOPY, WITH DAPPLED SHADE

CLEAR UNDERSTORY, OPEN LAWN

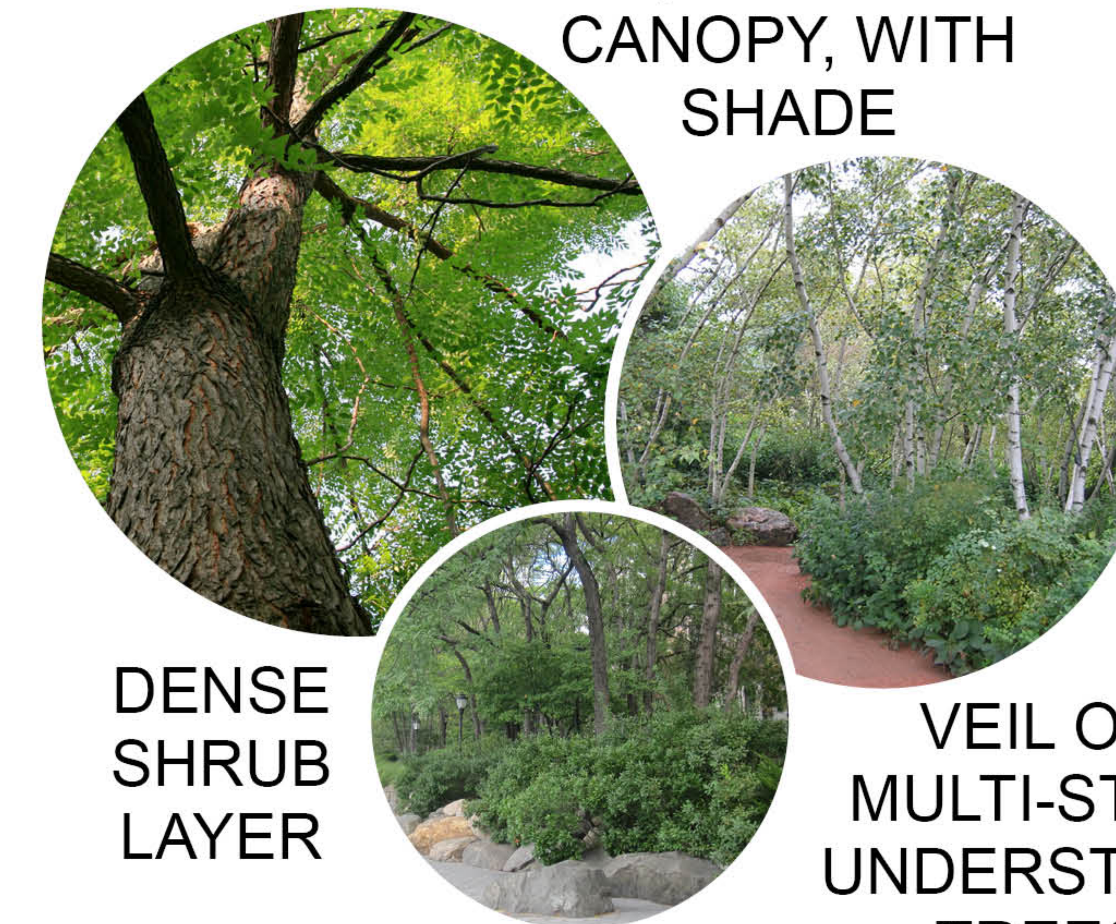
TALL, SPREADING CANOPY, WITH CLEARINGS



COLORFUL, TEXTURAL PERENNIALS & GRASSES

ORNAMENTAL, SEASONAL UNDERSTORY TREES

TALL, SPREADING CANOPY, WITH SHADE



DENSE SHRUB LAYER

VEIL OF MULTI-STEM UNDERSTORY TREES

PASTORAL GROVE

LAYERED GROVE

THICKENED GROVE

PLANTING CONCEPT

PLANTING CONCEPT

AMPHITHEATER PLANNING

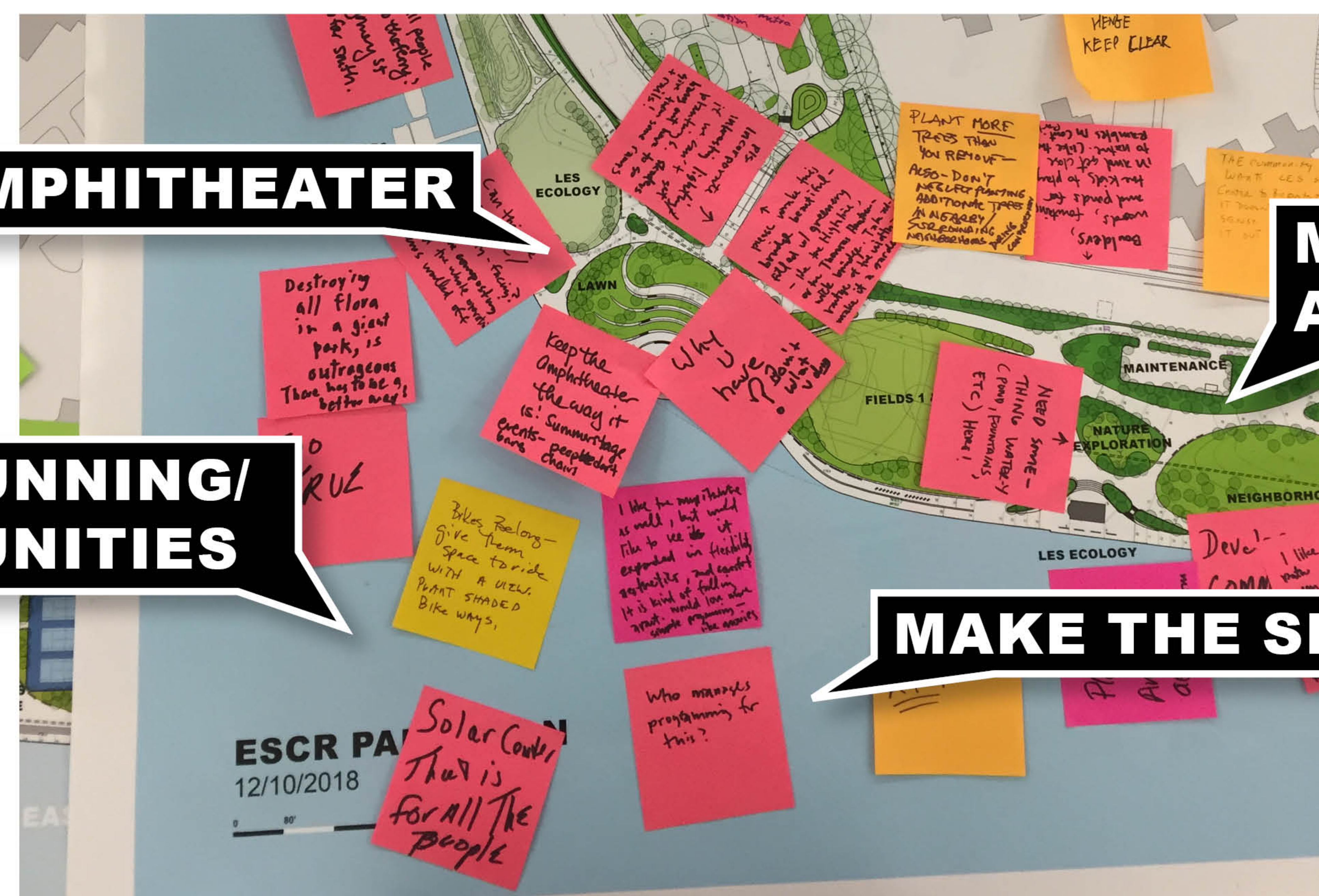
AMPHITHEATER - SUMMARY OF WHAT WE HEARD (DEC. 2018)

INCLUDE SEATING WITH BACKS

PROVIDE A MIX OF FIXED SEATING AND LAWNS SEATING

ACCOMMODATE ALTERNATIVE EVENTS - SUCH AS DANCING

CREATE A SPACE WITH VIEWS TO THE WATER



PRESERVE THE EXISTING AMPHITHEATER

MOVE THE AMPHITHEATER AWAY FROM HOMES

INCLUDE STAIR RUNNING/ FITNESS OPPORTUNITIES

MAKE THE SPACE AS GREEN AS POSSIBLE

AMPHITHEATER - EXISTING CONDITIONS

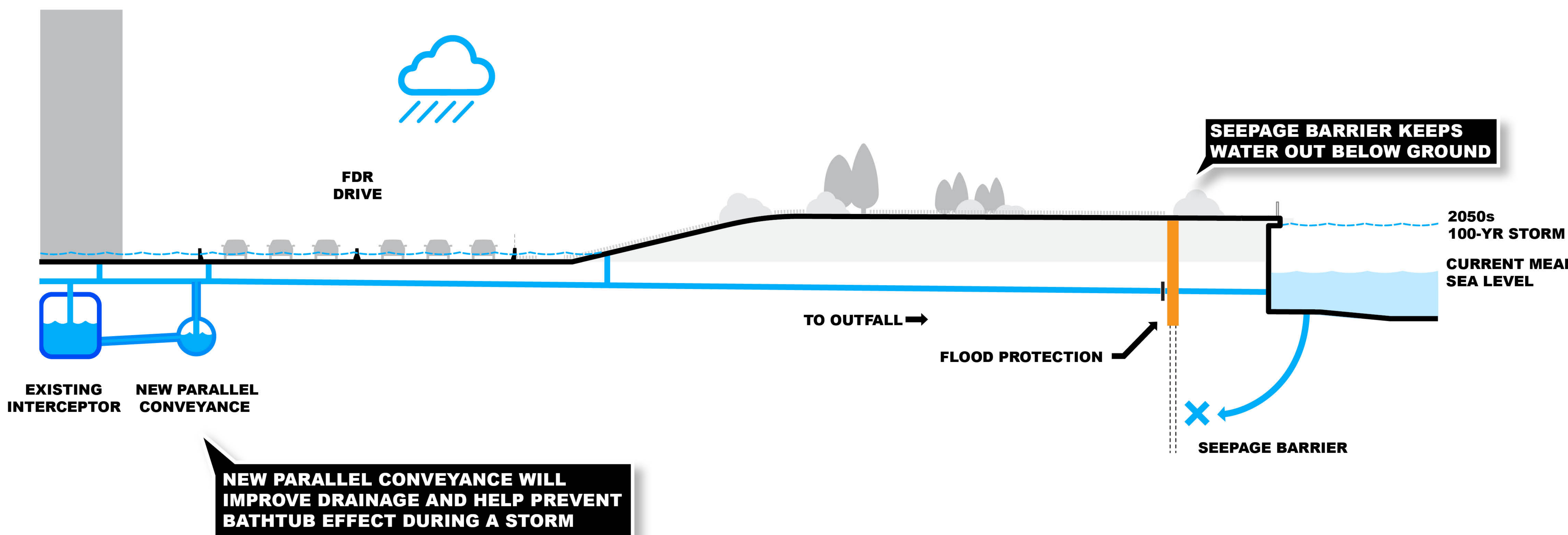
AMPHITHEATER - PRELIMINARY CONCEPT PROGRAM

AMPHITHEATER - PRELIMINARY CIRCULATION & ACCESSIBILITY

DRAINAGE INFRASTRUCTURE

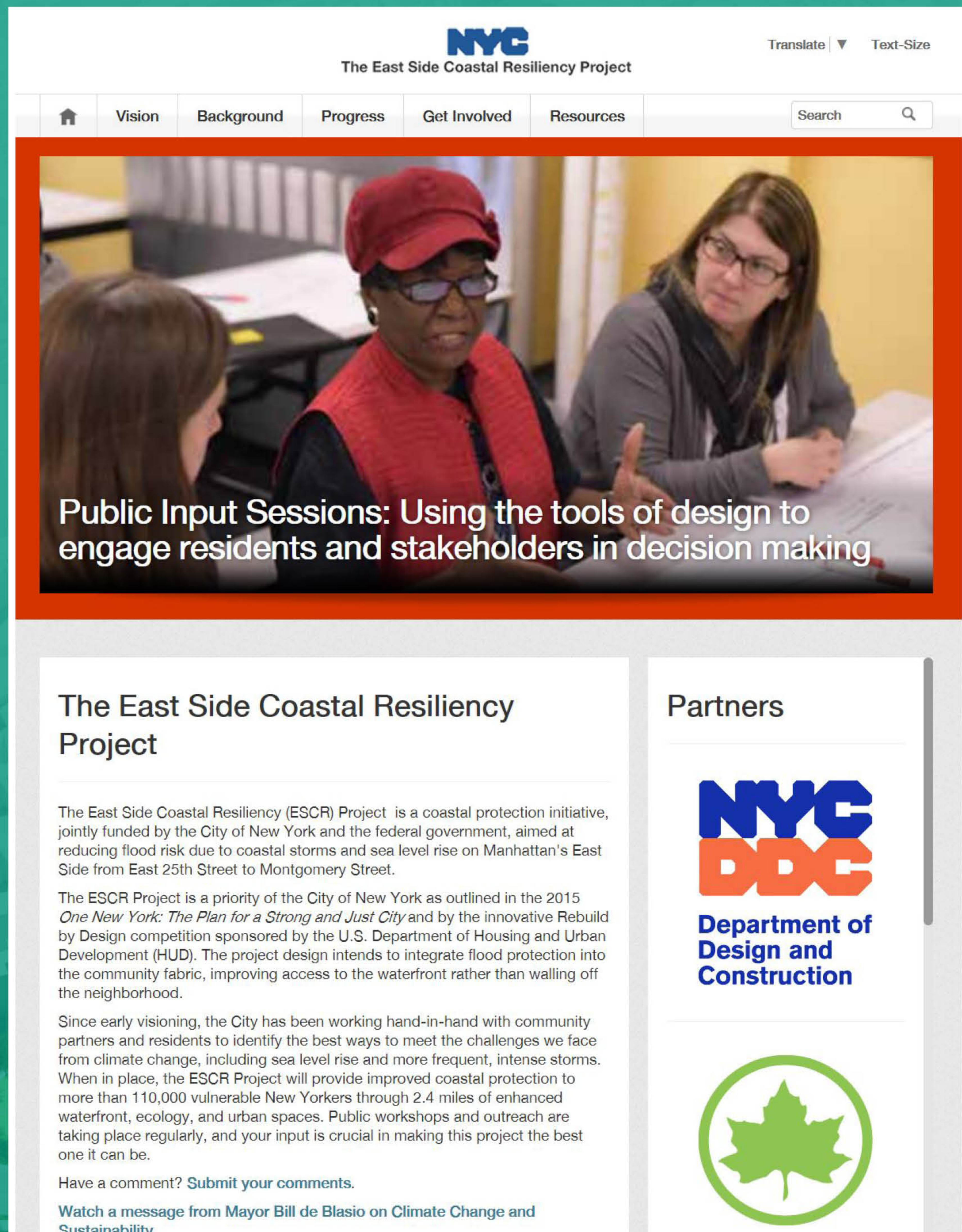
IMPROVED DRAINAGE

OPPORTUNITY TO IMPROVE DRAINAGE INFRASTRUCTURE IN STUDY AREA



STORMWATER DRAINAGE
SITE STRATEGY

Website



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