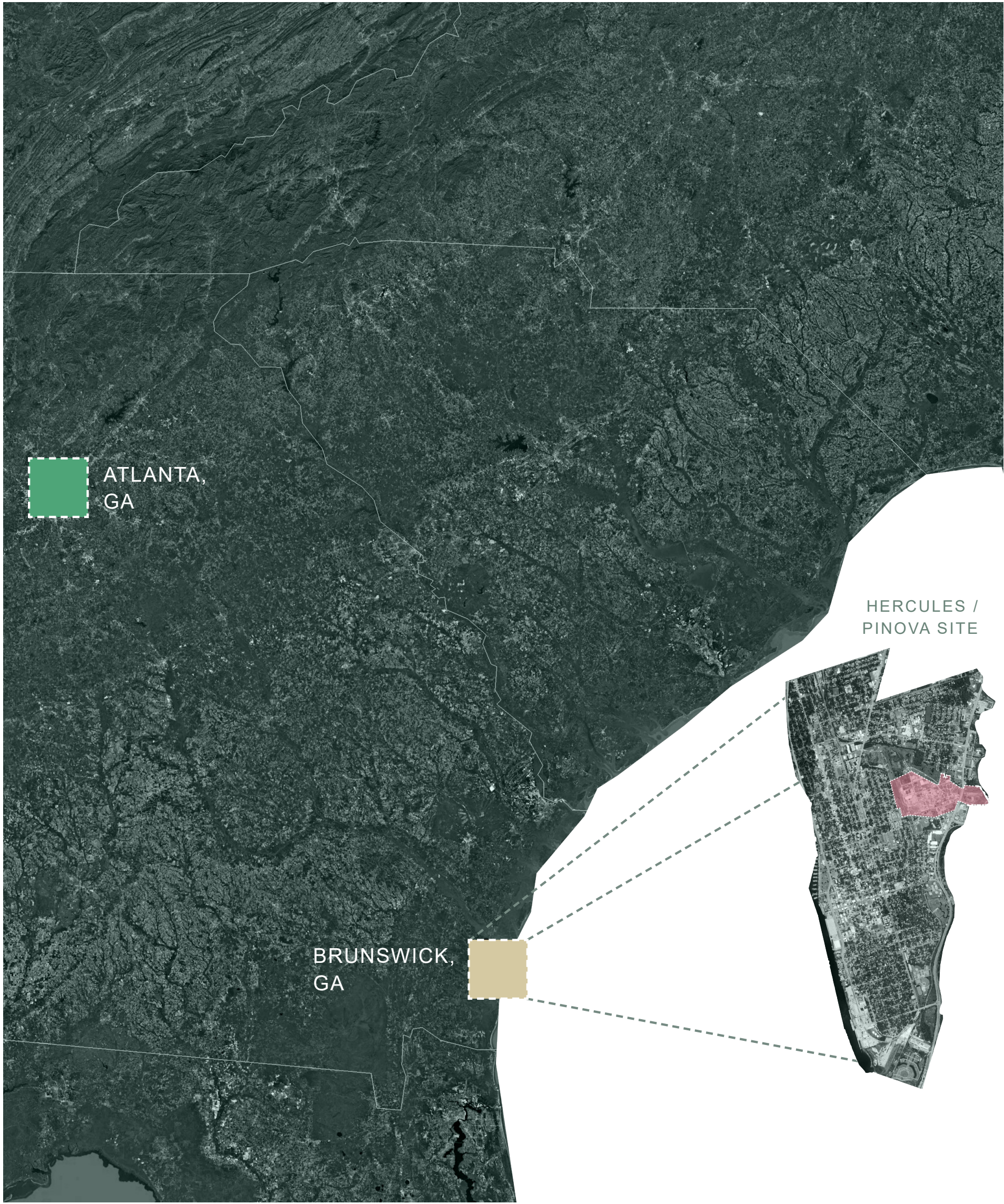


BRUNSWICK

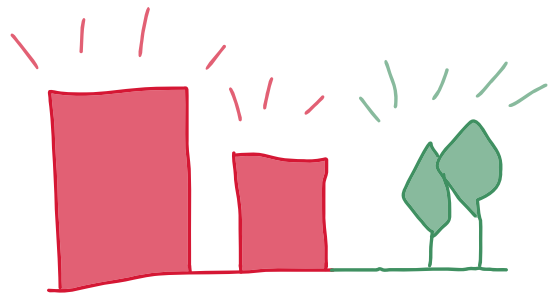


GEORGIA

HOW CAN THE SOUNDSCAPE OF
THE SITE BECOME A METRIC FOR
A HEALTHY LANDSCAPE?



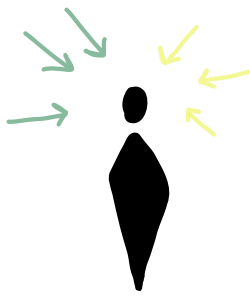
PROJECT CONCEPT - SOUNDSCAPE ORIENTED LANDSCAPE



- LOCALIZATION OF FUNCTIONS
- IDENTIFY KEY LOCATIONS AND THE SOUNDS THEY EMIT
 - PROGRAMMING COHESIVELY AROUND THESE AREAS

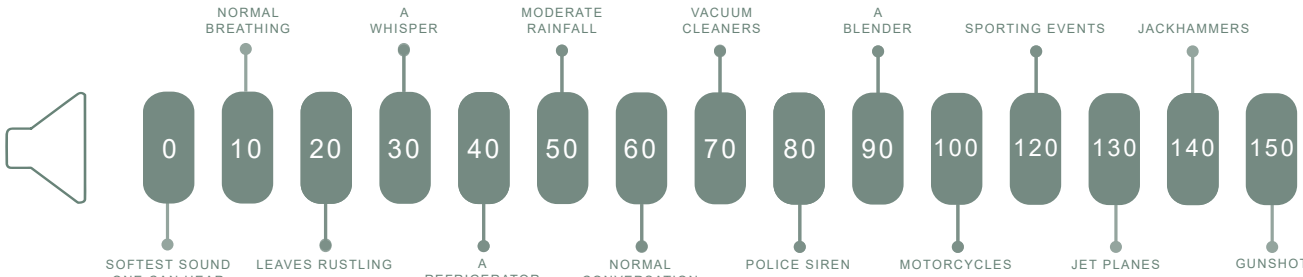


- REDUCTION OF UNWANTED SOUNDS
- INTENSE ROAD NOISE REDUCTION
 - INDUSTRIAL SOUND SCREENING AND REMOVAL



- INTRODUCTION OF WANTED SOUNDS
- EXPANDING THE MARSH
 - BRINGING COMMUNITY AND NATURE TOGETHER

DECIBEL REFERENCE CHART



SITE TIMELINE

PRE
2023 FIRE



INDUSTRIAL SITE ACTS FUNCTIONALLY AS A
DRONE IN THE LANDSCAPE

PEAK 100 dB

AVG 85 dB

2023 FIRE



MOST SOUND ON SITE IS FROM DEMOLITION,
MORE ERRATIC THAN BEFORE

PEAK 120 dB

AVG 78 dB

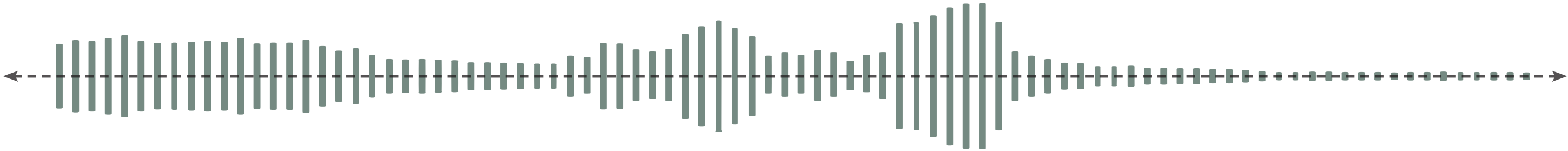
CURRENT DAY



OVERALL SILENT AND BARREN,
CAN HEAR BIRDS, CARS, PEOPLE EASIER

PEAK 85 dB

AVG 63 dB



25 MPH



PEDESTRIAN FRIENDLY STREET SCAPE CONNECTED TO NEIGHBORHOODS.

AVG 55 dB



50 MPH



THE CONNECTION FROM BRUNSWICK TO ST. SIMON'S ISLAND.

AVG 70 dB

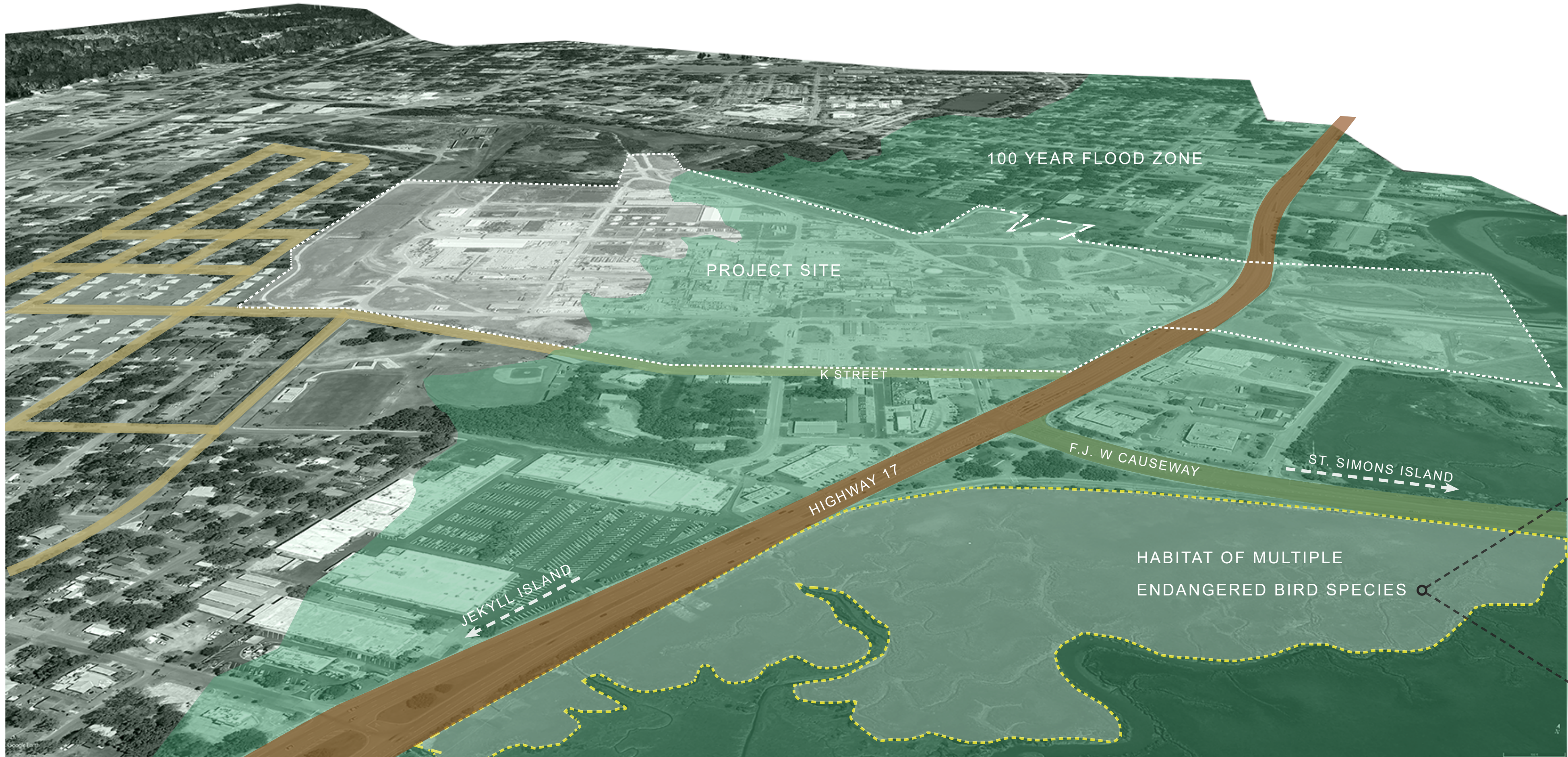


40 MPH



THE MAIN HIGHWAY OF BRUNSWICK. VERY BUSY AND THE LOUDEST ROAD.

AVG 74 dB



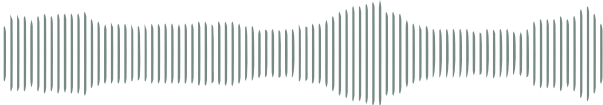
RUFA
RED KNOT
THREATENED

EASTERN
BLACK RAIL
THREATENED

WOOD STORK
THREATENED

PIPING PLOVER
THREATENED

A PEAK 80 dB



AVG 74 dB

Cover your ears for 20 seconds when you release your hands, when you tune in to all of the sounds around, above, below you. Write down all of the different sounds you hear.

Car wash vacuums, cars engines, breaks squeaking, trucks in reverse, tires on road.

B PEAK 62 dB



AVG 51 dB

Listen to the sounds around you. Describe your favorite one and least favorite one. Take in the quality of it. Draw or write them.

Favorite sound is the birds. The bug hum is less pleasant here than elsewhere because they compound with Pinova work. I can hear birds but not well enough to easily identify.

C PEAK 84 dB

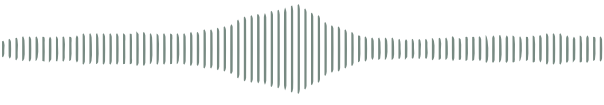


AVG 62 dB

Listen to the sounds around you. Describe your favorite one and least favorite one. Take in the quality of it. Draw or write them.

My least favorite sound is that of the road. The hum is overpowering even the mob of grackles having their discussions. The wind is the loudest sound, but not a bad sound.

D PEAK 70 dB



AVG 60 dB

Listen to the sounds around you. Describe your favorite one and least favorite one. Take in the quality of it. Draw or write them.

I like the crickets or bugs. A gentle hum you don't always hear this time of year. Matches some of the car sounds too. A whirl of the breaks of older cars I don't like the trucks and machines inside the plant. It sounds intense. The drum of the plant coming down.

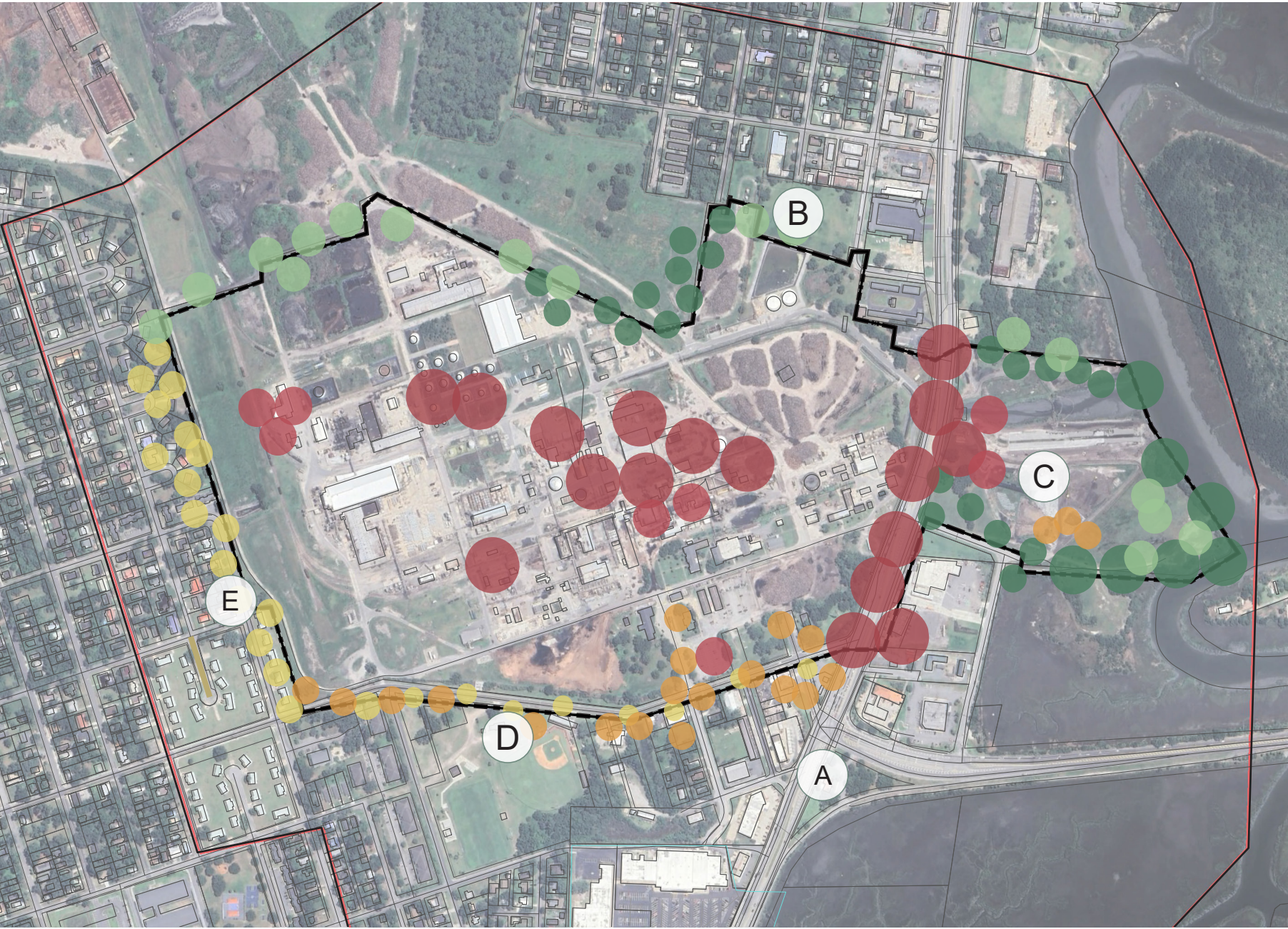
E PEAK 47 dB



AVG 44 dB

Listen to the sounds around you. Describe your favorite one and least favorite one. Take in the quality of it. Draw or write them.

The birds and people talking is nice. There is a joy in these sounds. The plant is silent. There are some car noises that feel ominous as they approach. Plane noises pierce pretty far. Ruffle of palm leaves. Every little sound is bigger



AUDIBLE BIRD SPECIES ON SITE



fee-bee!

EASTERN PHOEBE



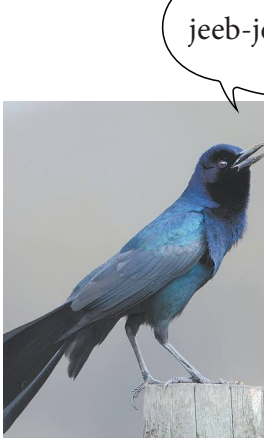
jay-jay-jay!

BLUE JAY



chek, chek, chek, chek

YELLOW - RUMPED WARBLER



jeeb-jeeb-jeeb

BOAT - TAILED GRACKLE



chew, chew

NORTHERN MOCKINGBIRD



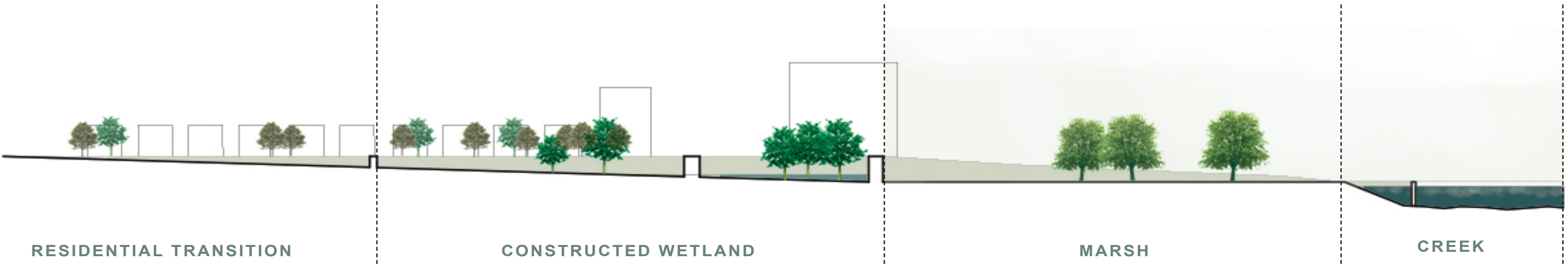
zweet, zweet!

PURPLE MARTIN

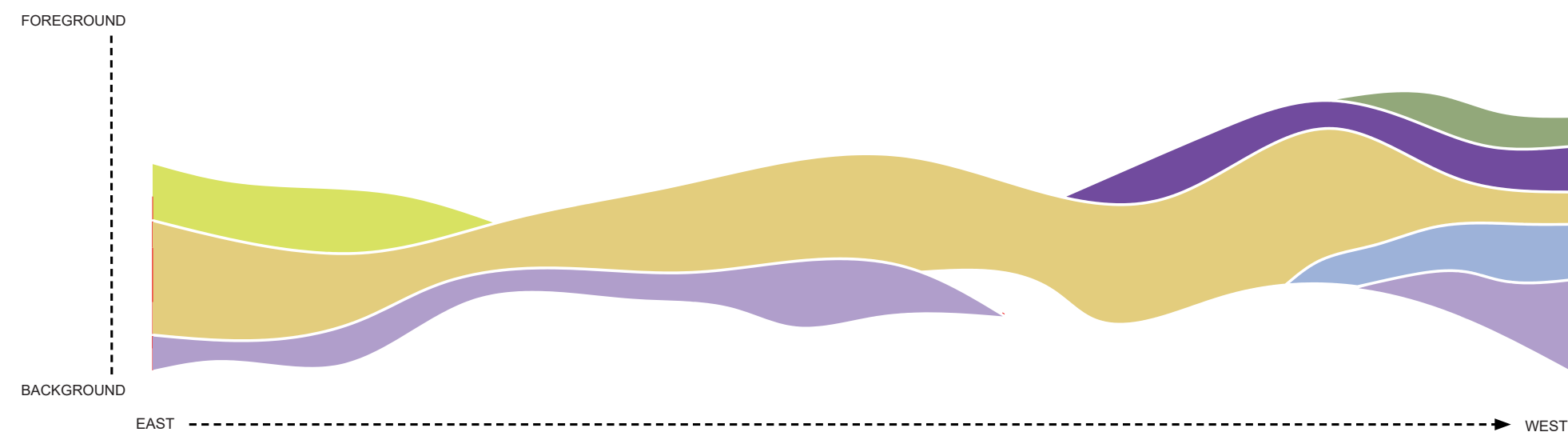
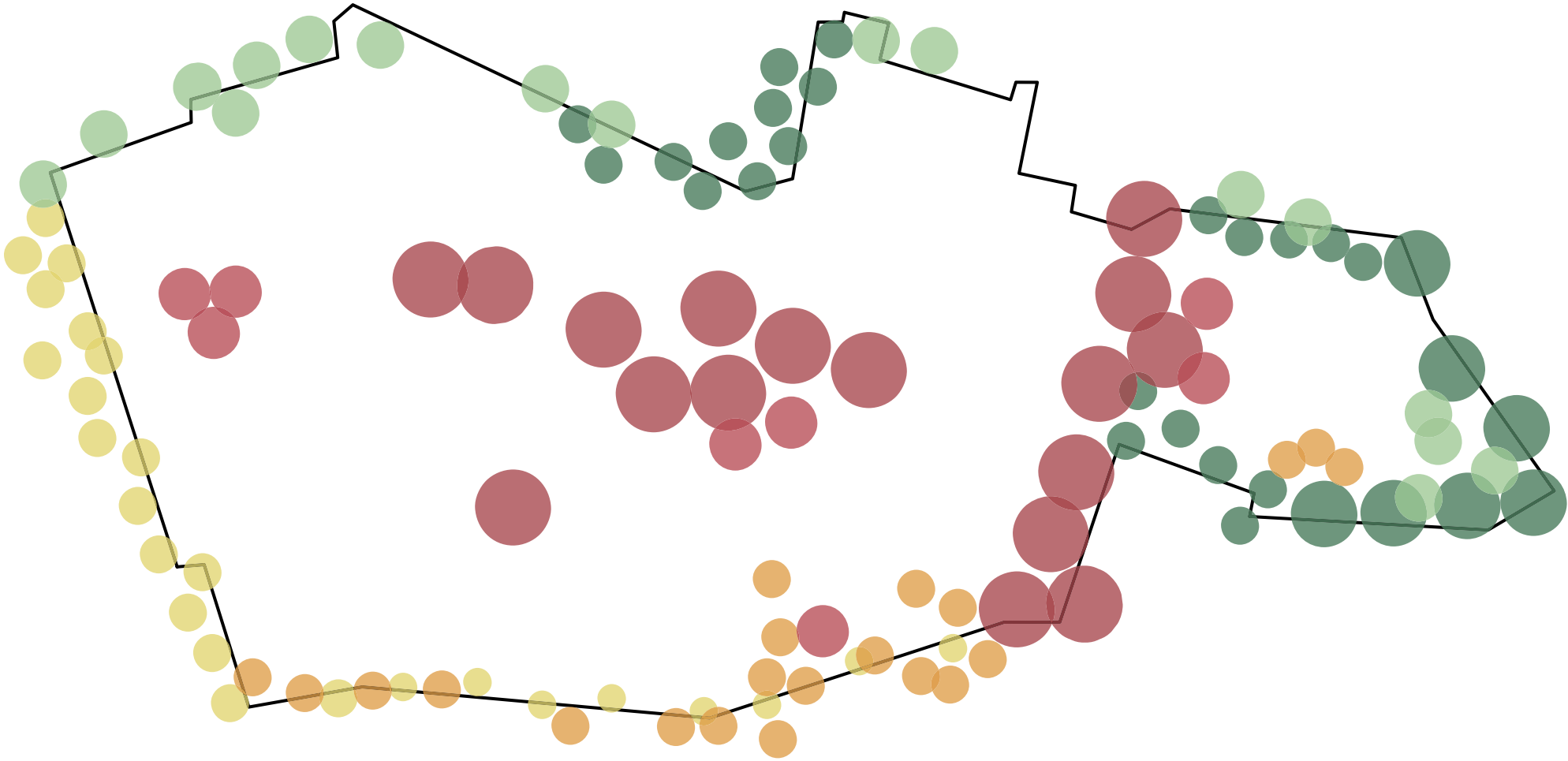


MASTERPLAN

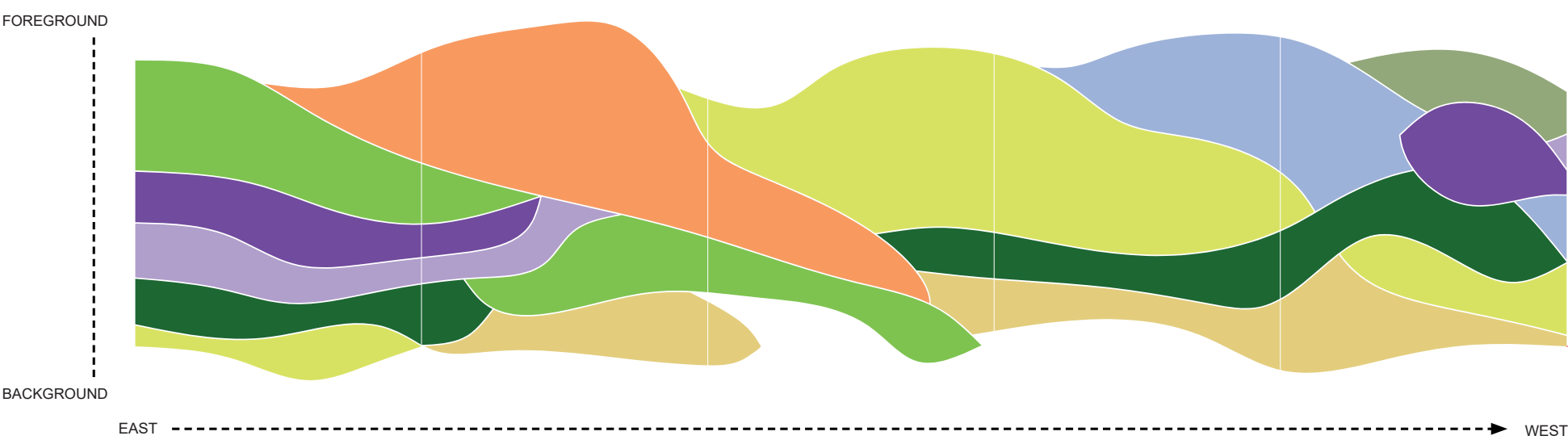
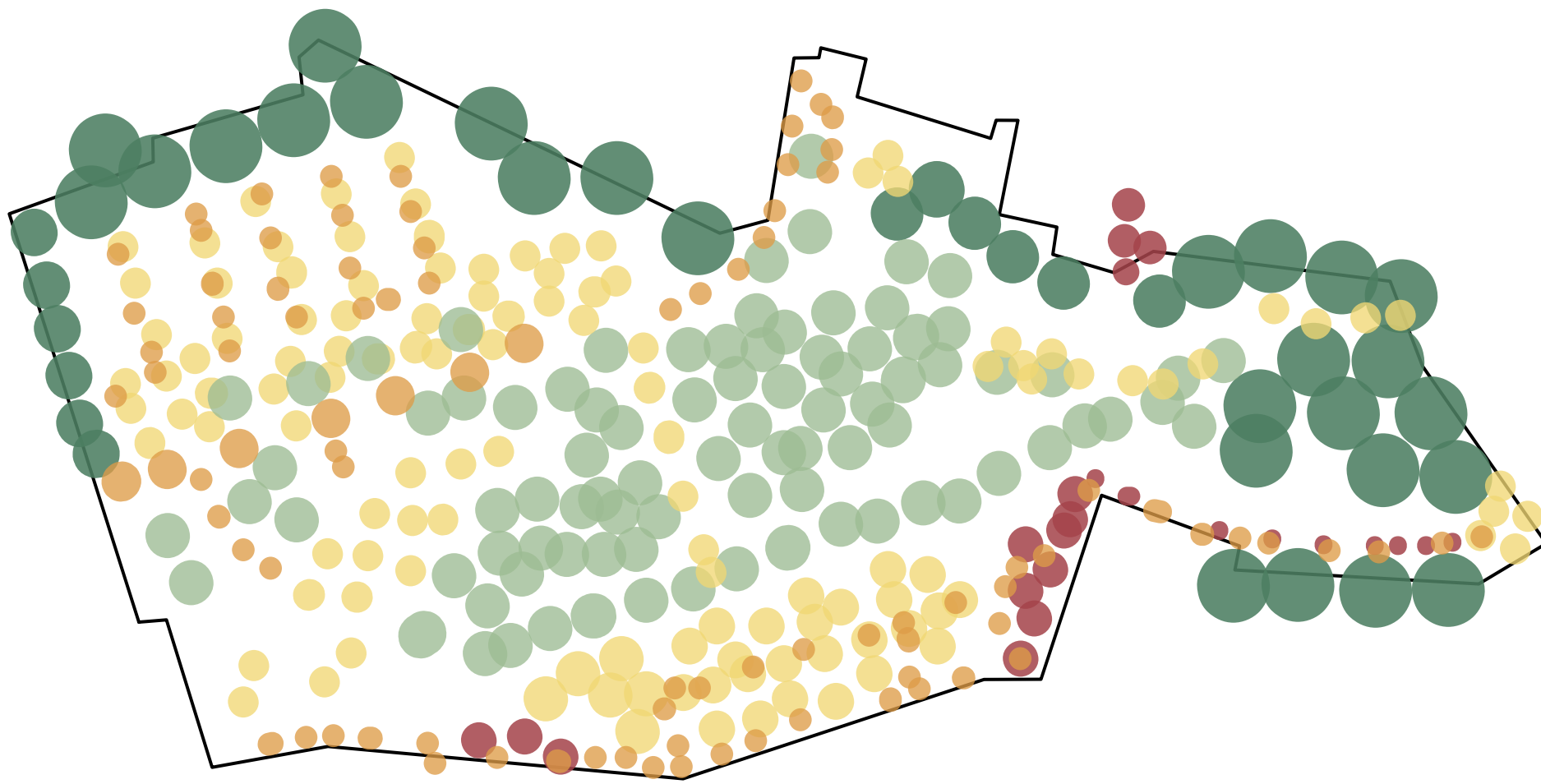
- A. PARKING
- B. CONSTRUCTED WETLAND
- C. MARSH
- D. REFLECTION MOUNDS
- E. LAND TRUST COMMUNITY
- F. COMMERCIAL
- G. BRIDGED HIGHWAY
- H. OBSERVATION SHORELINE WALK
- I. WIND AND WATER PARK
- J. HEALING GARDEN
- K. REMEDIATION GARDEN
- L. COMMUNITY GARDEN + FARMERS MARKET
- M. SHARED DUPLEX COMMUNITY
- N. SINGLE FAMILY COMMUNITY



PRE-INTERVENTION SOUNDSCAPE



POST-INTERVENTION SOUNDSCAPE



SOUND MAP

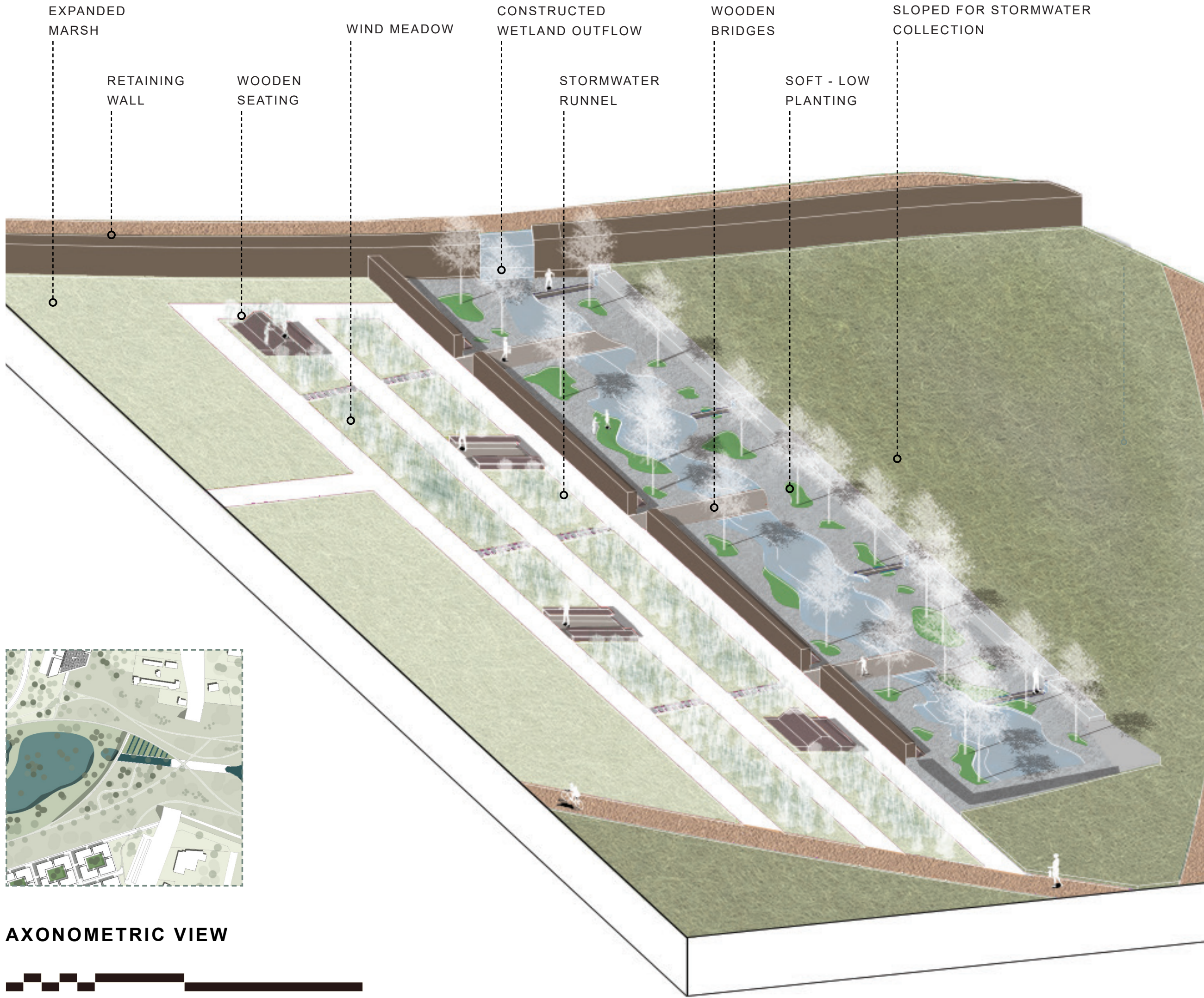
- HEAVY MACHINERY + LOUD ROAD NOISE
- SLOWER SPEED VEHICLE NOISE
- HUMAN CREATED LANDSCAPE NOISE
- SLOWER SPEED VEHICLE NOISE
- NATURAL WETLAND AND FOREST NOISE

HUMAN-MADE

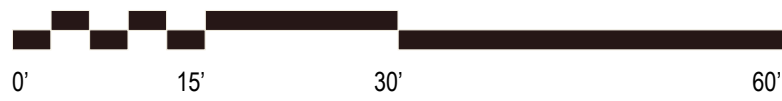
- REMEDIATION
- TRAFFIC
- VOICES
- BIRDS
- INSECTS

LANDSCAPE

- TREES
- MEADOW
- WIND
- WATER



AXONOMETRIC VIEW



TREES

Zanthoxylum clava-herculis (Southern Prickly Ash)
Betula nigra (River Birch)



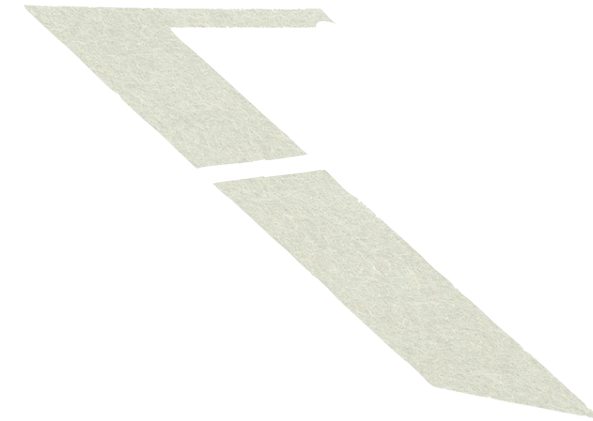
GROUND COVER

Osumunda regalis (Royal Fern)
Spartina patens (Saltmeadow cordgrass)
Pachysandra procumbens (Allegheny Spurge)



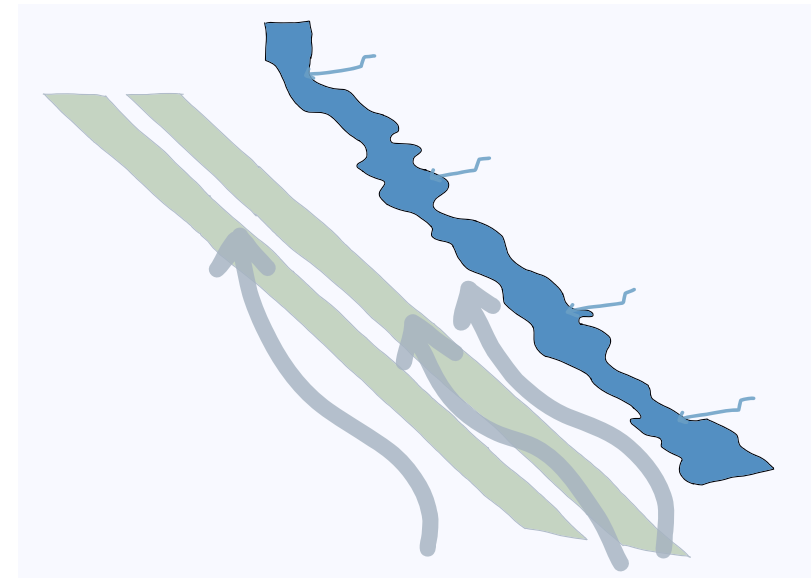
WIND MEADOW

Spartina bakeri (Sand Cordgrass)
Juncus effusus (Common Rush)
Vernonia angustifolia (Tall Ironweed)
Eryngium yuccifolium (Rattlesnake Master)
Heliotropium curassavicum (Marsh Heliotrope)
Solidago fistulosa (Pine Barren Goldenrod)
Baptisia arachnifera (Hairy rattleweed)



MARSH EXPANSION

Zanthoxylum clava-herculis (Smooth Cordgrass)
Juncus roemarianus (Needle Rush)
Distichlis spicata (Saltgrass)
Salicornia sp. (Glasswort)
Borrchia frutescens (Sea Oxeye)



OBSERVATION:

- ENHANCE NATURAL SOUNDS
- TO TEACH ABOUT NATURAL PROCESSES
- VISUAL COHESION WITH THE AUDITORY EXPERIENCE

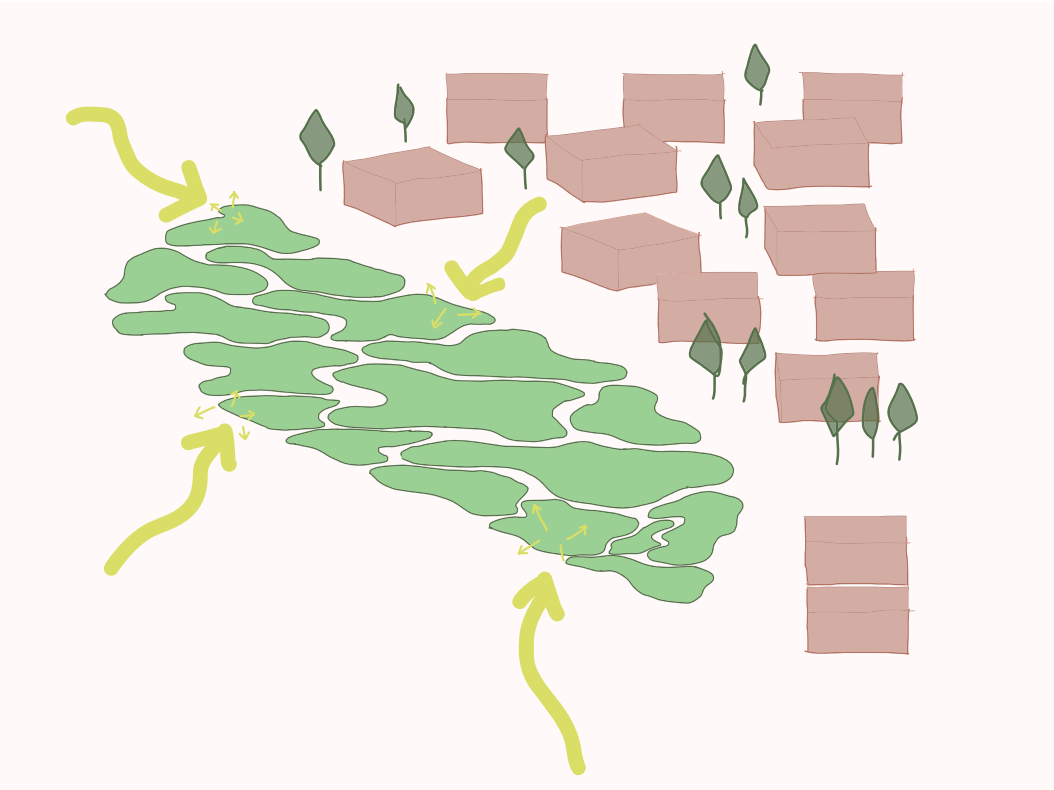


NATIVE MEADOW
HABITAT FOR BIRDS AND BUGS

ORGANIC FORMS
CREATING A NATURAL FEEL

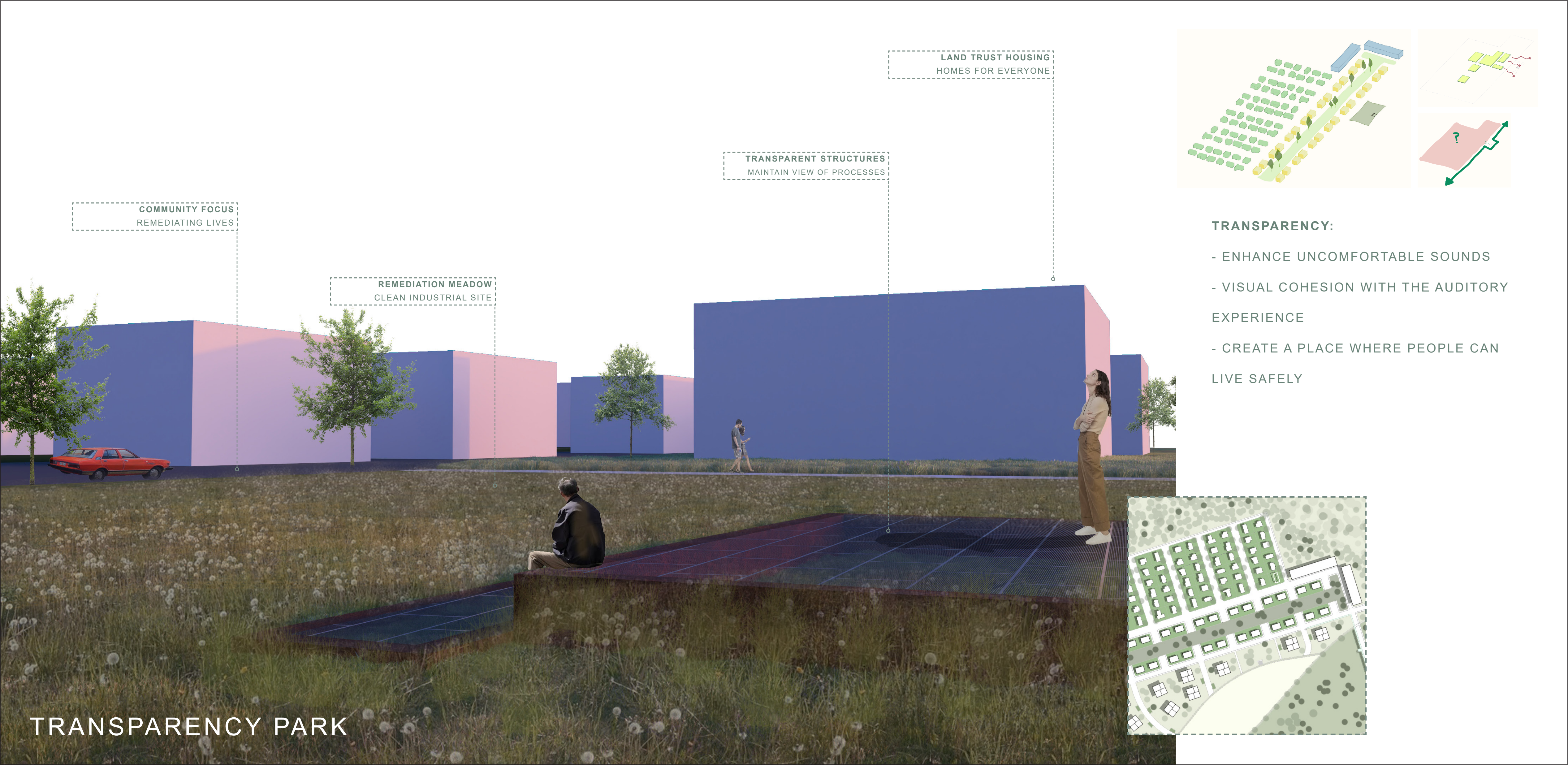
TALL MOUNDS
BLOCK SOUNDS AND VIEWS

REFLECTION MOUNDS



- REFLECTION:
- QUIET SPACE
 - ENHANCE NATURAL SOUNDS
 - REDUCE HUMAN MACHINERY SOUNDS





COMMUNITY FOCUS
REMEDATING LIVES

REMEDATION MEADOW
CLEAN INDUSTRIAL SITE

TRANSPARENT STRUCTURES
MAINTAIN VIEW OF PROCESSES

LAND TRUST HOUSING
HOMES FOR EVERYONE

TRANSPARENCY:

- ENHANCE UNCOMFORTABLE SOUNDS
- VISUAL COHESION WITH THE AUDITORY EXPERIENCE
- CREATE A PLACE WHERE PEOPLE CAN LIVE SAFELY

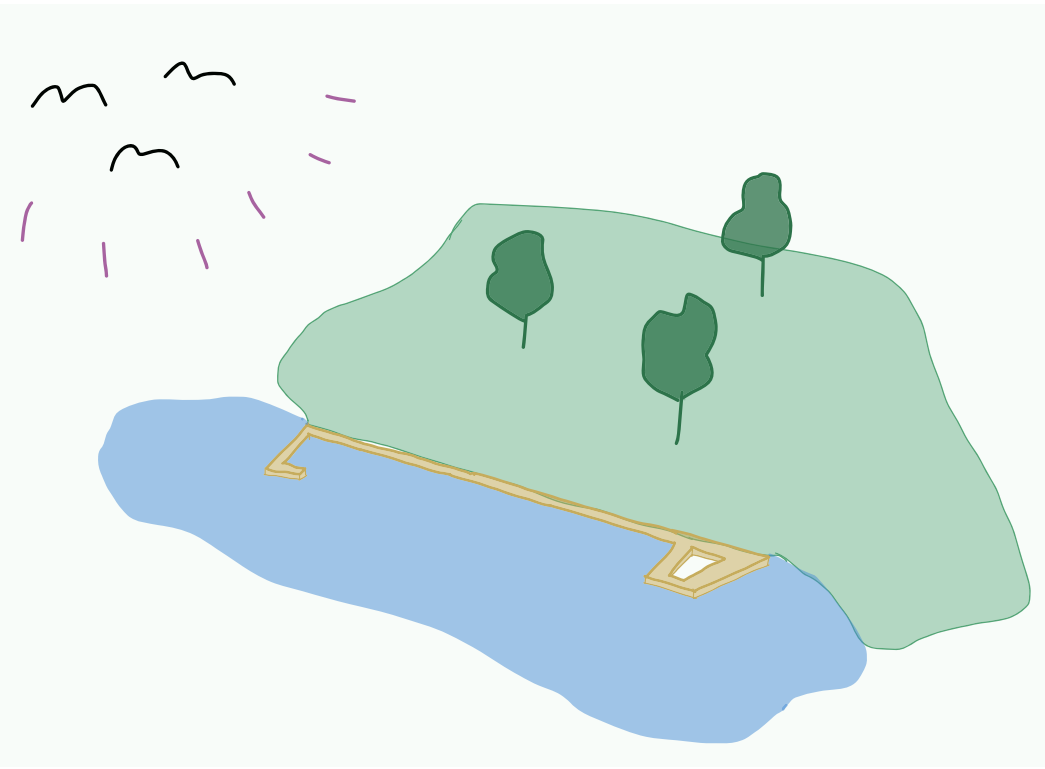
COMMUNITY ENGAGEMENT
EDUCATION AND OBSERVATION

HABITAT
RESTORING ENDANGERED SPECIES

RECREATION
GET CLOSE TO THE SOUNDS



EXPLORATION
WHAT'S HIDING HERE?



- EXPLORATION:
- DIVERSITY IN THE SONIC “ORCHESTRA”
 - MULTI-SENSORY EXPERIENCE (HOW DOES A SOUND SMELL, FEEL, LOOK?)
 - ENHANCE NATURAL SOUNDS WITH AMBIGUITY



MARSH EXPLORATION



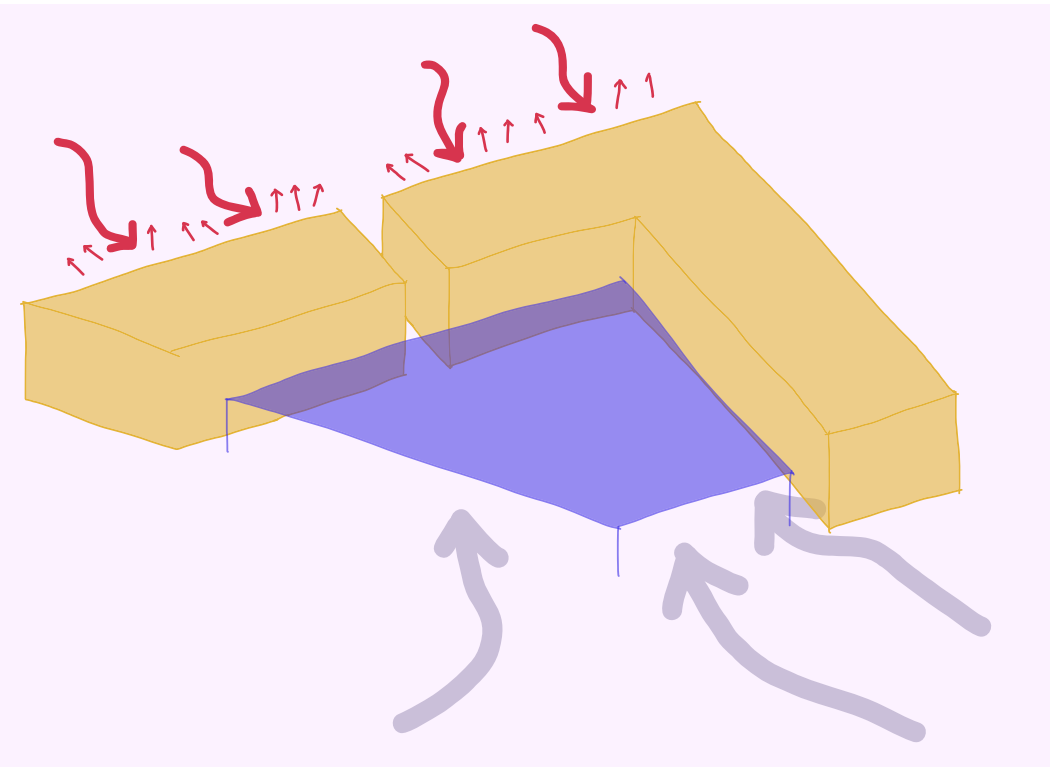
HOSPITAL EXTENSION BUILDING
CREATING A HEALTHY COMMUNITY

WOOD STRUCTURES
REVERBERATE AND DIFFUSE

PART-SUN PLANTS
BRINGING NATURE INTO HEALTHCARE

SHADE CANOPY
COOL DOWN AND REPLENISH

HEALING GARDEN



HEALING:

- PLAY THROUGH SOUND
- REDUCE HARSH MACHINERY SOUND
- ENHANCE HUMAN VOICE
- ENHANCE NATURAL SOUNDS

