



# Ralph C. Wilson, Jr. Centennial Park



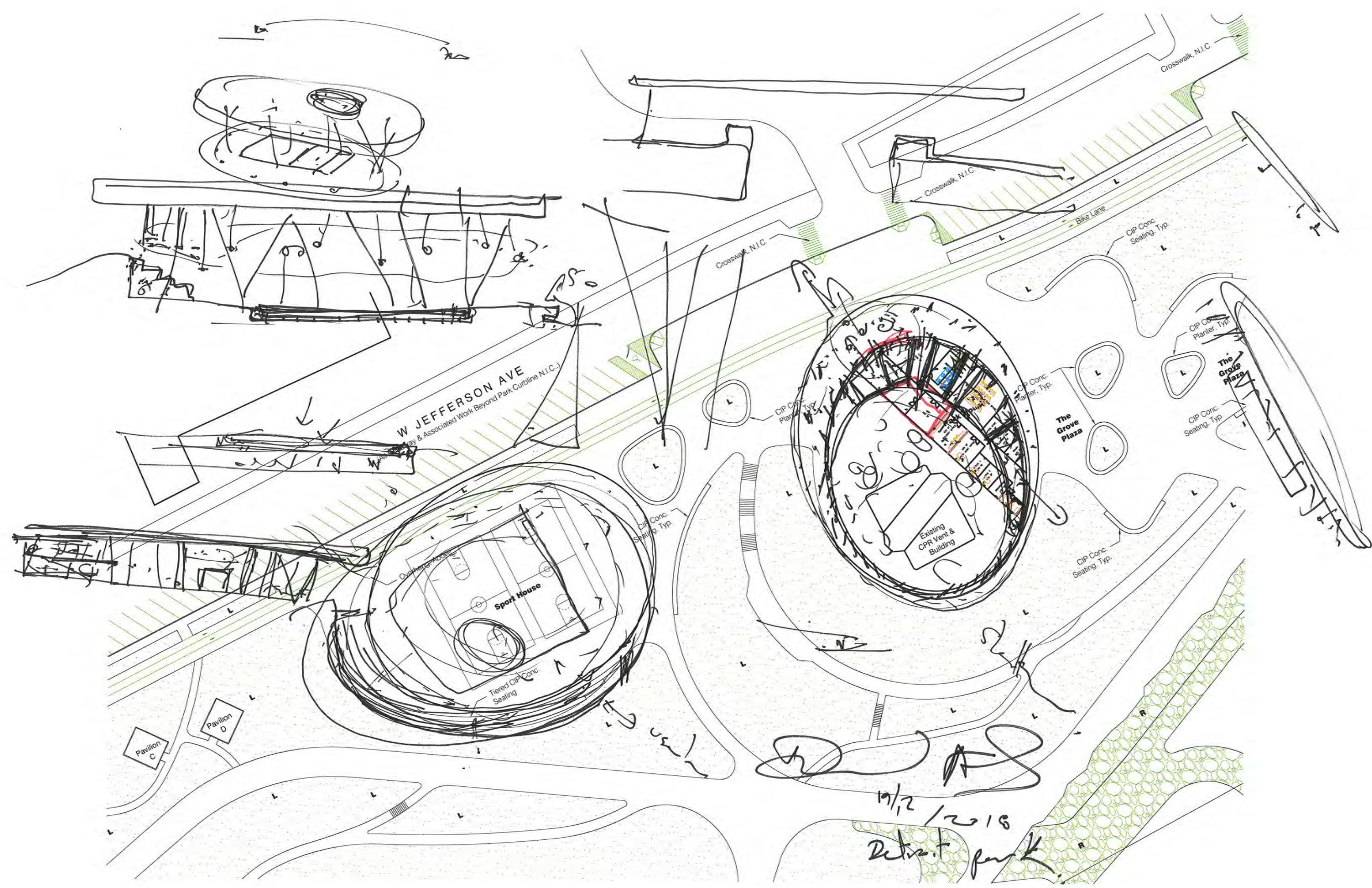
# Park Plan





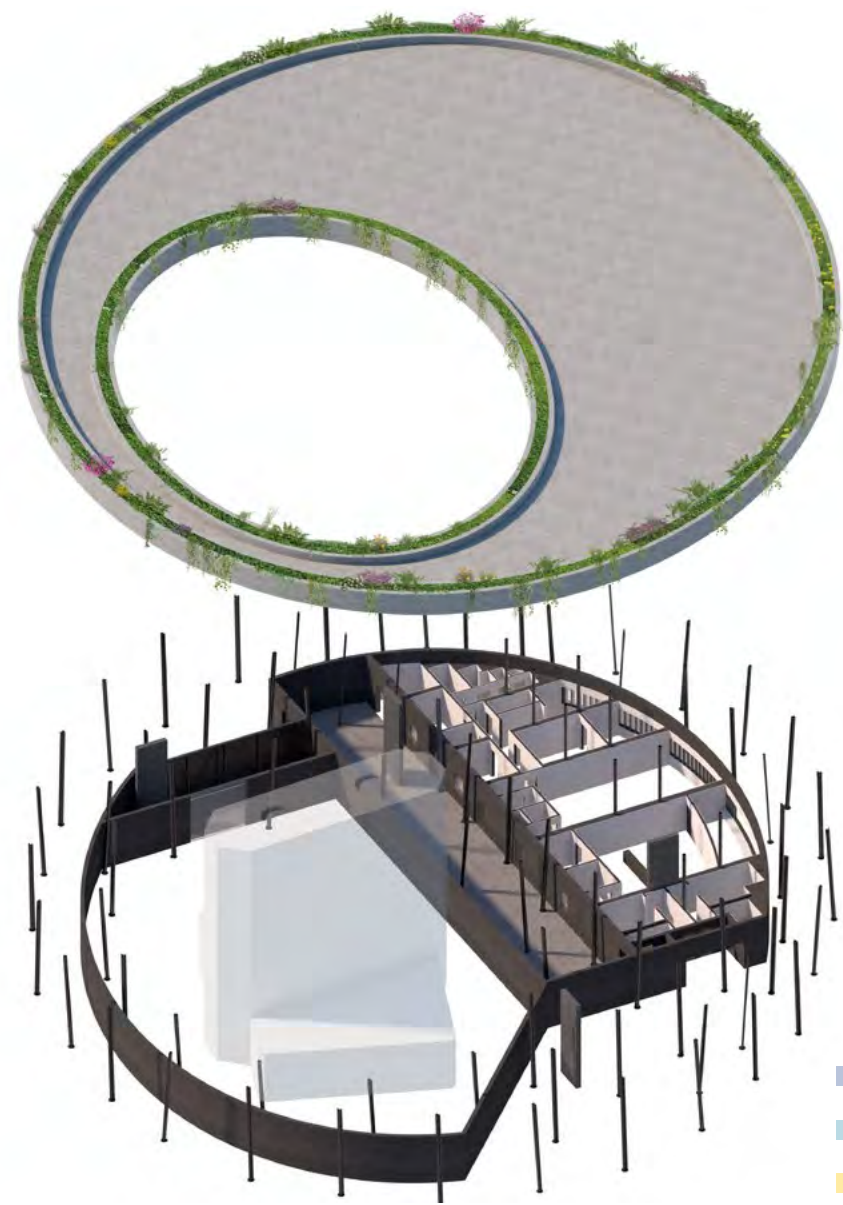
# Park Buildings

SITE VISION



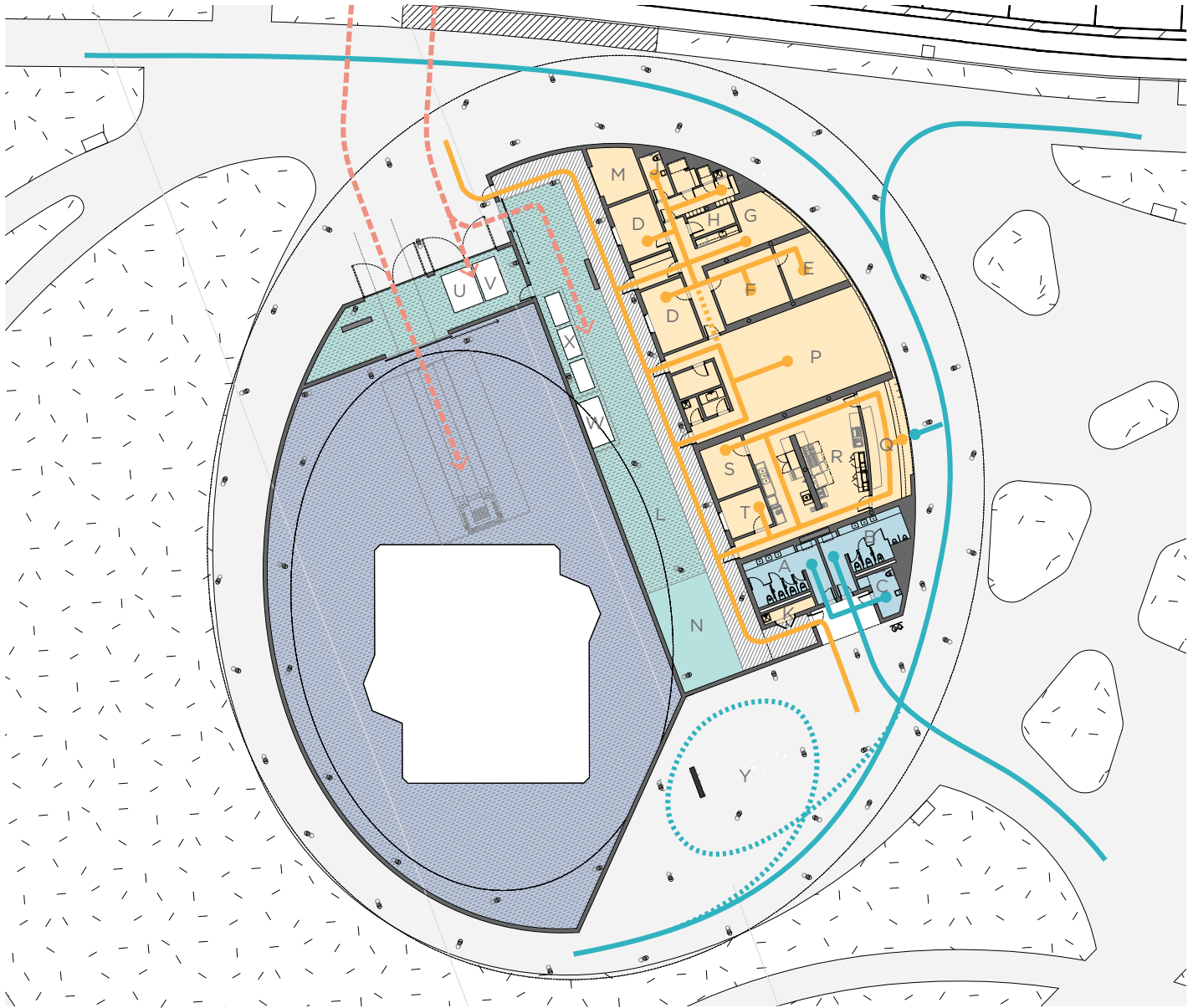


PARK HOUSE



AXONOMETRIC

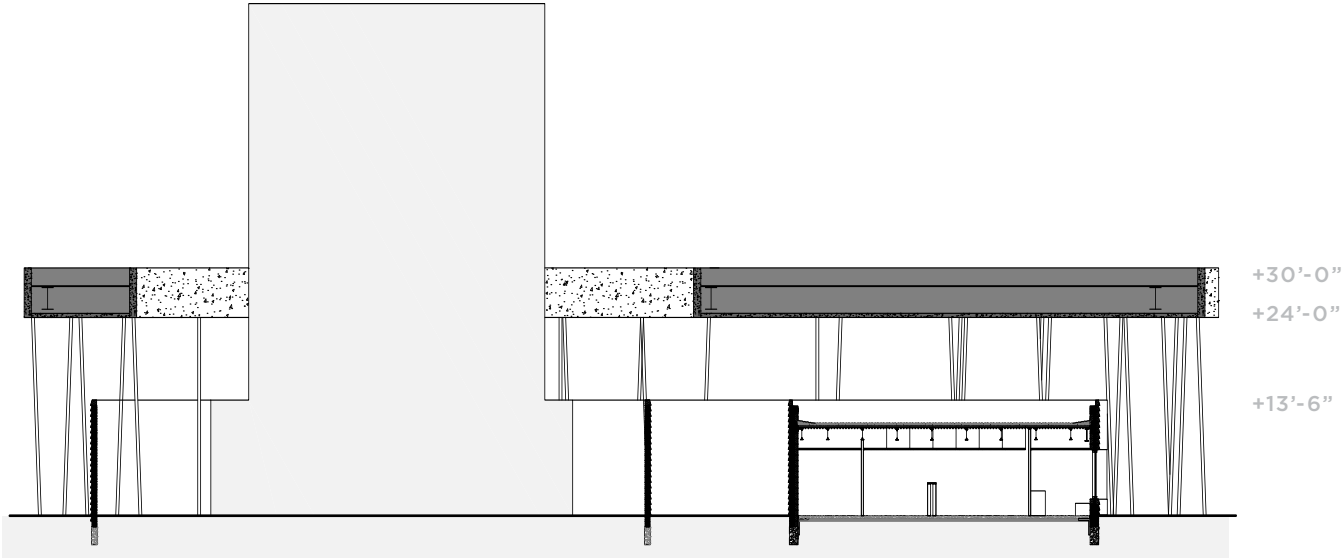
- VENT BUILDING USE
- PUBLIC USE
- PARK STAFF
- SPECIAL USE



PLAN

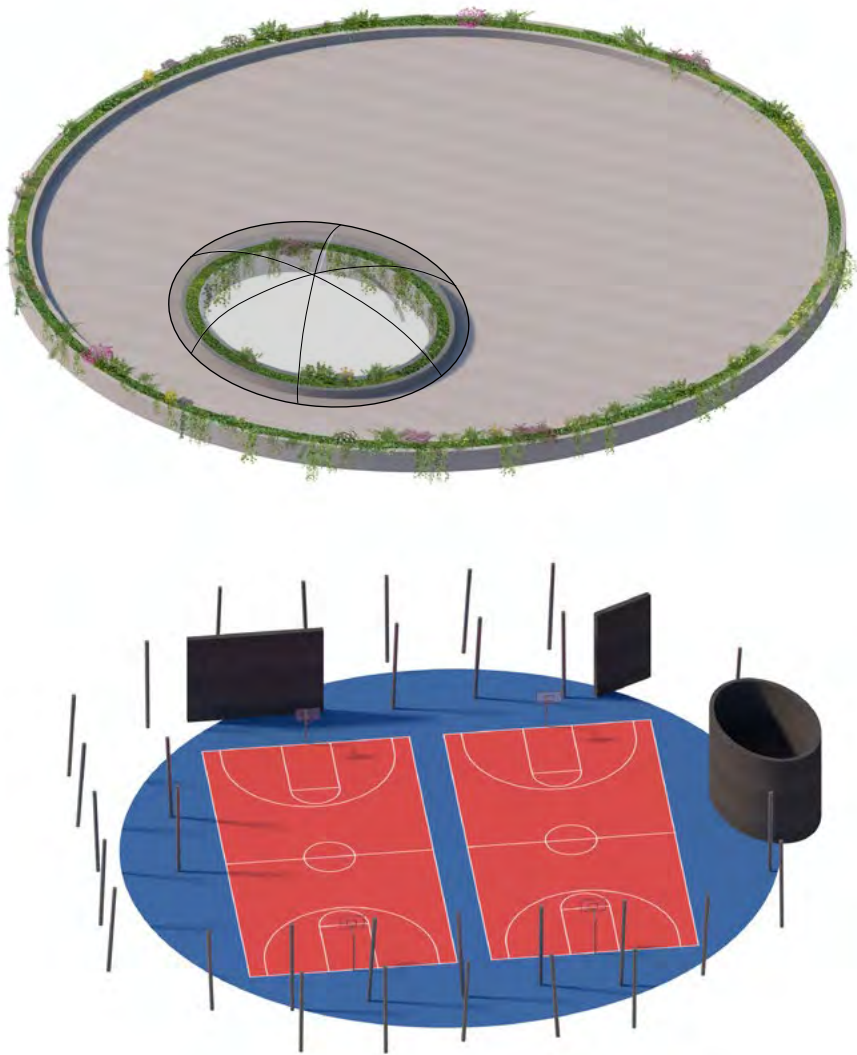
- |                   |                    |                     |                     |
|-------------------|--------------------|---------------------|---------------------|
| A WOMENS RESTROOM | G STAFF BREAKROOM  | N MEP               | U TRASH AREA        |
| B MENS RESTROOM   | H OFFICE STORAGE   | P MULTIPURPOSE ROOM | V COMPOST STORAGE   |
| C FAMILY RESTROOM | J OFFICE WC        | Q CAFE - COUNTER    | W ZODIAC STORAGE    |
| D OFFICES         | K JANITOR'S CLOSET | R CAFE - KITCHEN    | X GOLF CART STORAGE |
| E PARK OFFICE     | L BACK OF HOUSE    | S CAFE - STORAGE    | Y PUBLIC SPACE      |
| F SECURITY OFFICE | M PROGRAM STORAGE  | T CAFE - OFFICE     |                     |

SECTION





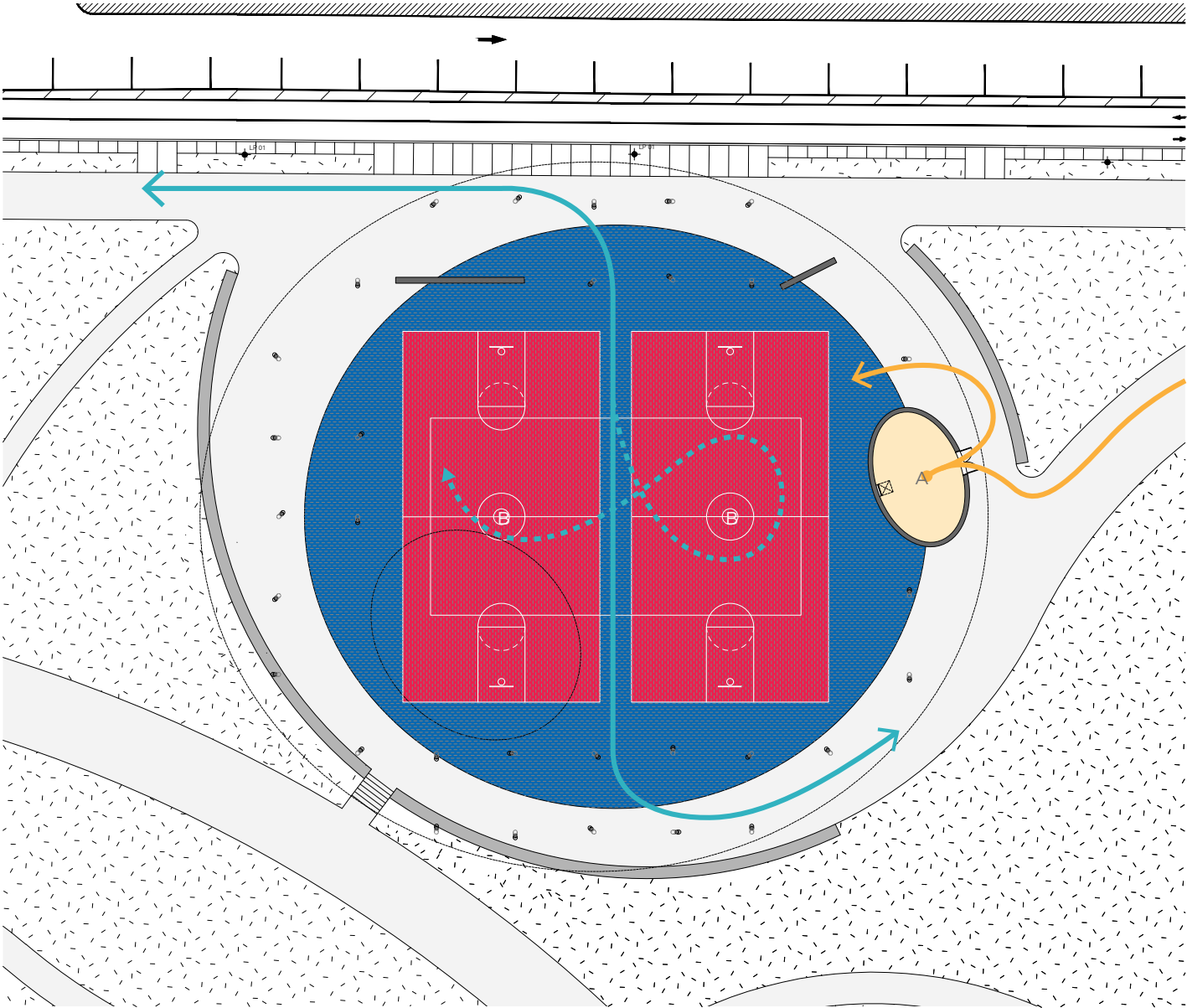
SPORT HOUSE



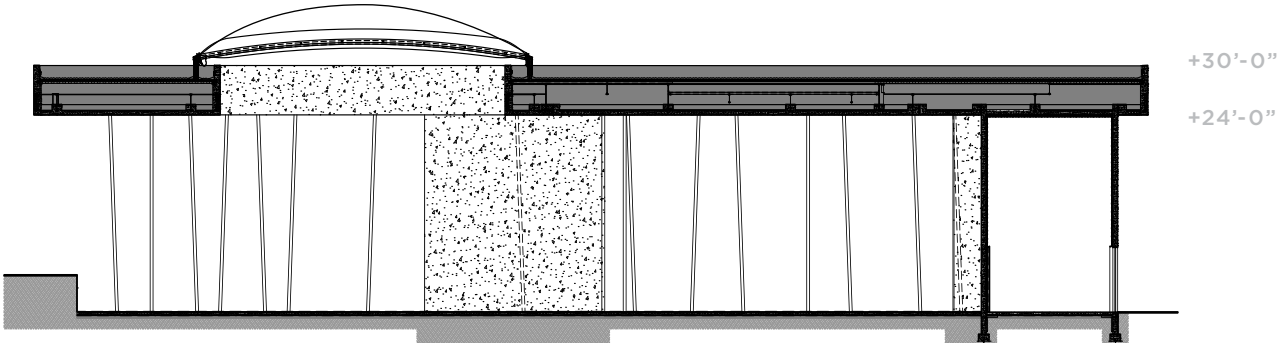
AXONOMETRIC

- A STORAGE AND BOH
- B ACTIVITY AREA

- PUBLIC USE
- PARK STAFF
- SPECIAL USE



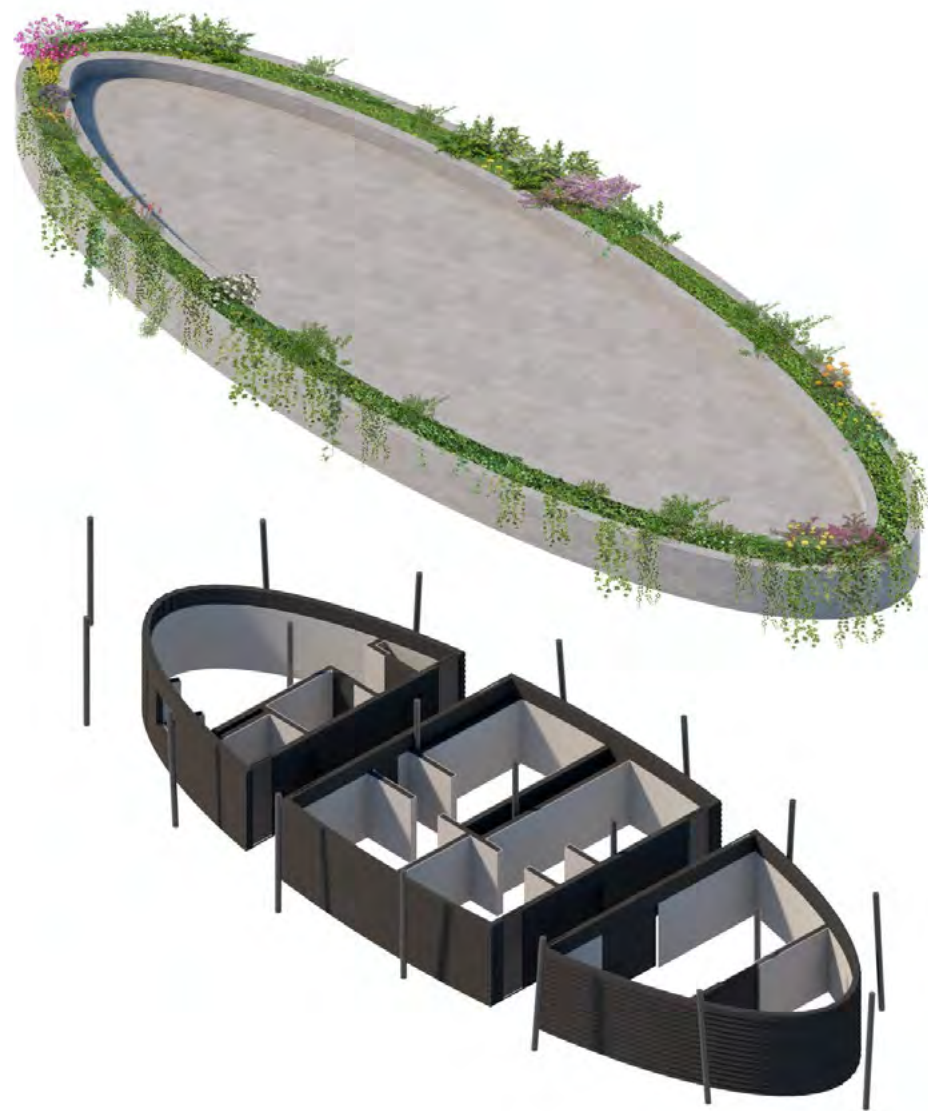
PLAN



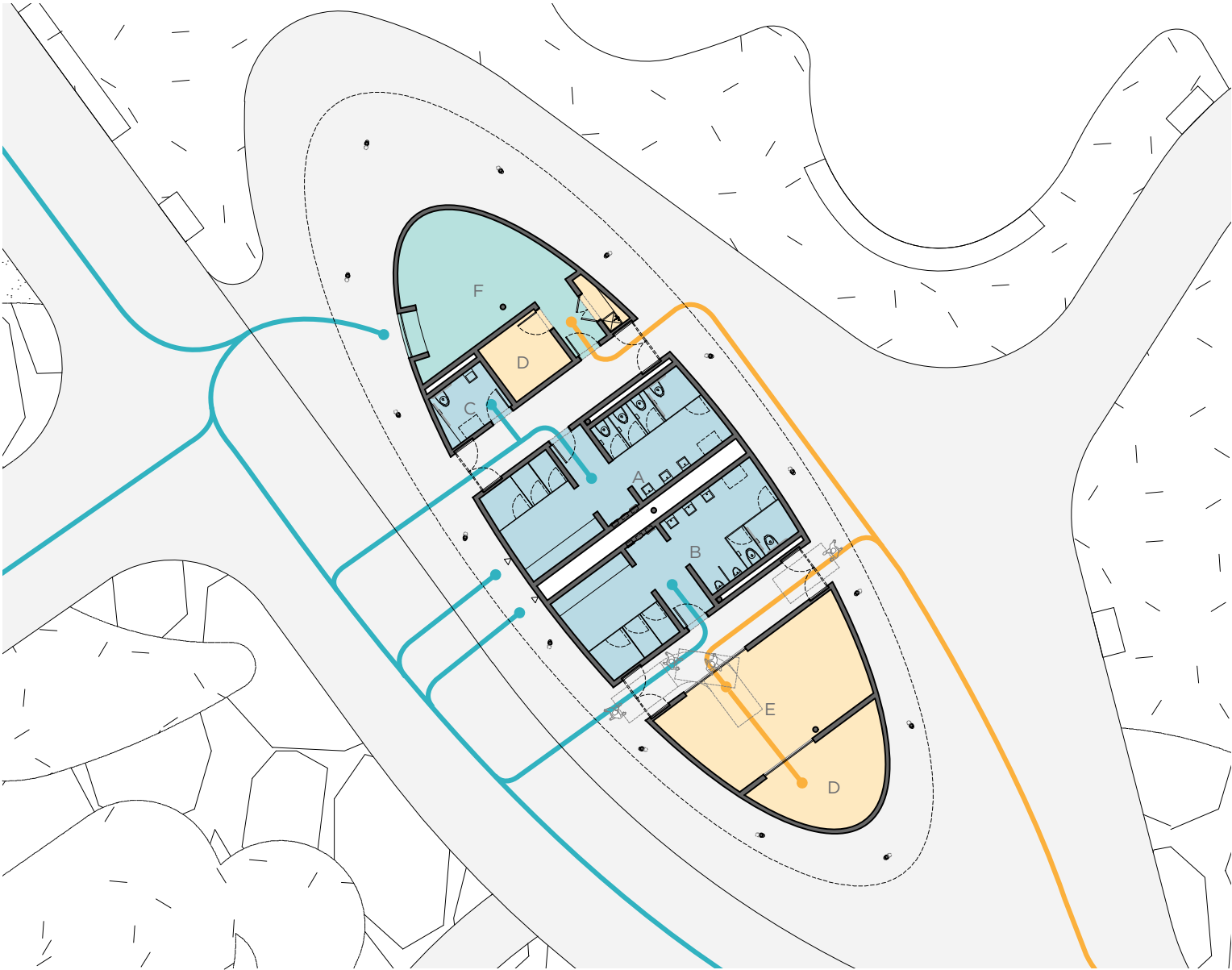
SECTION



# EAST COMFORT STATION



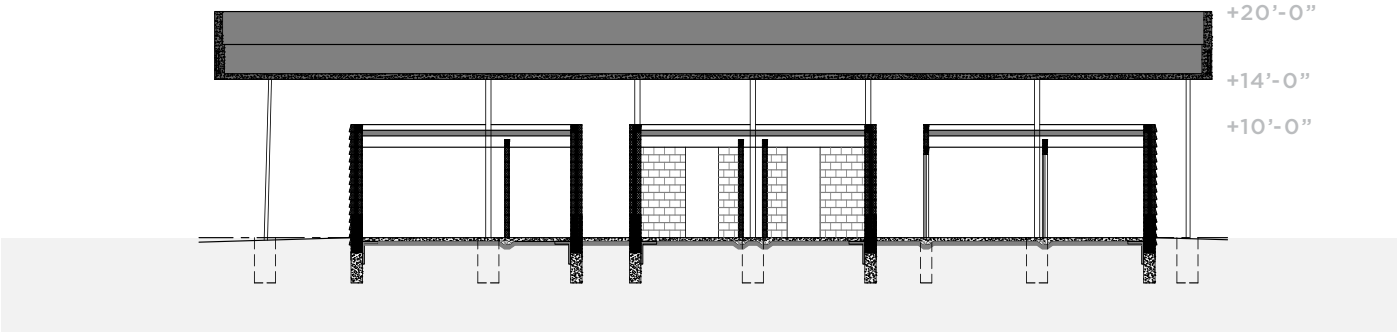
AXONOMETRIC



PLAN

- A WOMENS RESTROOM / CHANGE AREA
- B MENS RESTROOM / CHANGE AREA
- C FAMILY RESTROOM
- D MECHANICAL ROOM
- E PLAYGROUND STORAGE
- F VENDOR KIOSK

- PUBLIC USE
- PARK STAFF
- SPECIAL USE



SECTION



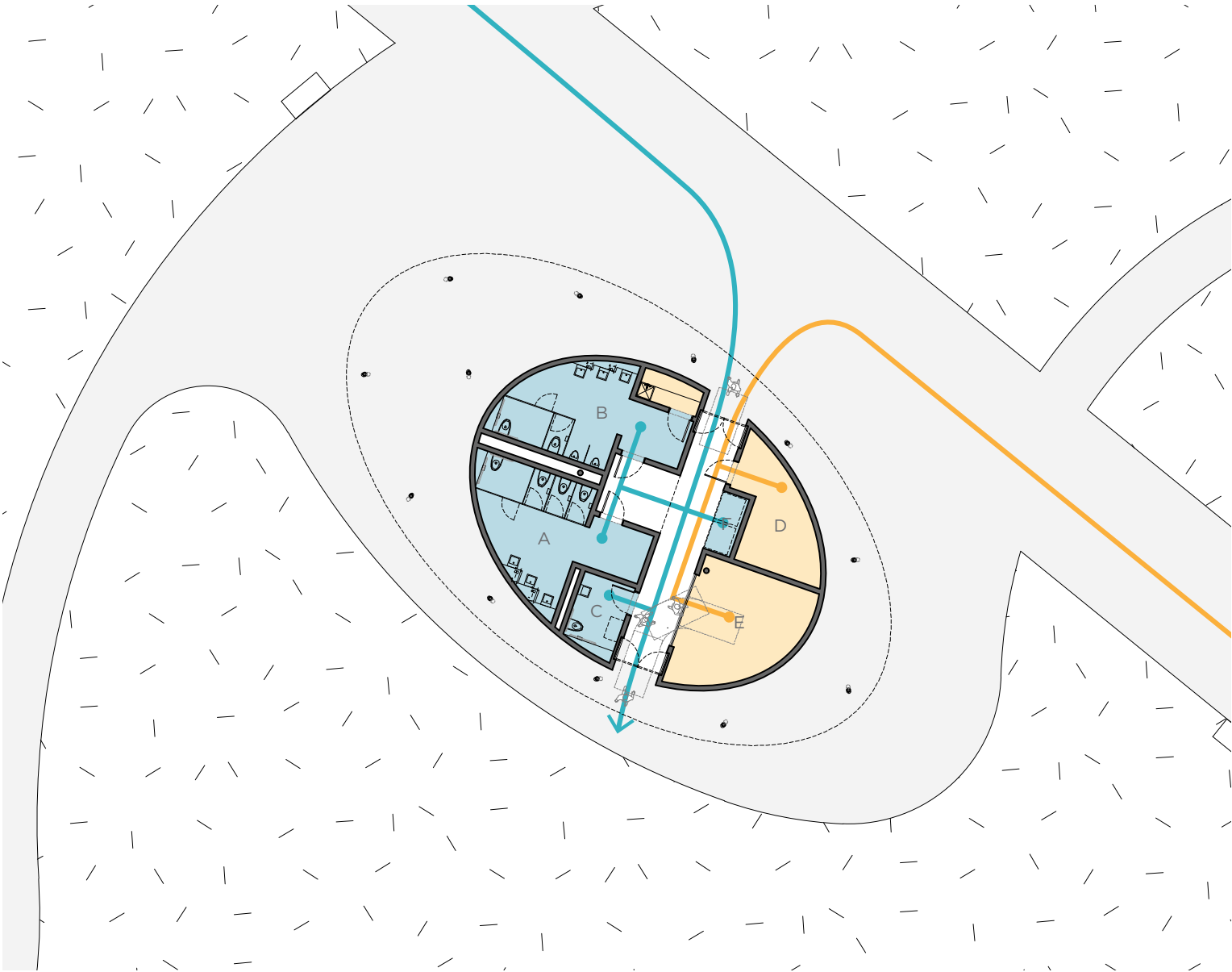
WEST COMFORT STATION



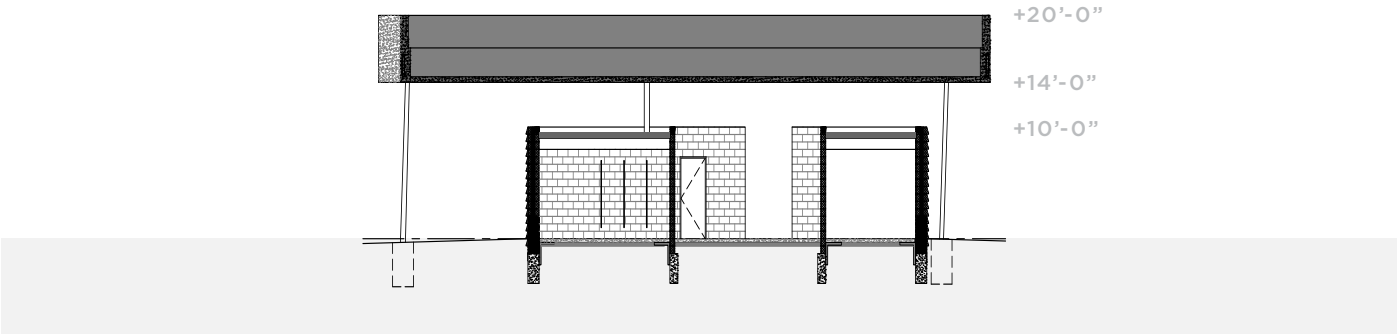
AXONOMETRIC

- A WOMENS RESTROOM
- B MENS RESTROOM
- C FAMILY RESTROOM
- D MECHANICAL ROOM
- E STORAGE
- F VENDING MACHINES

- PUBLIC USE
- PARK STAFF
- SPECIAL USE



PLAN

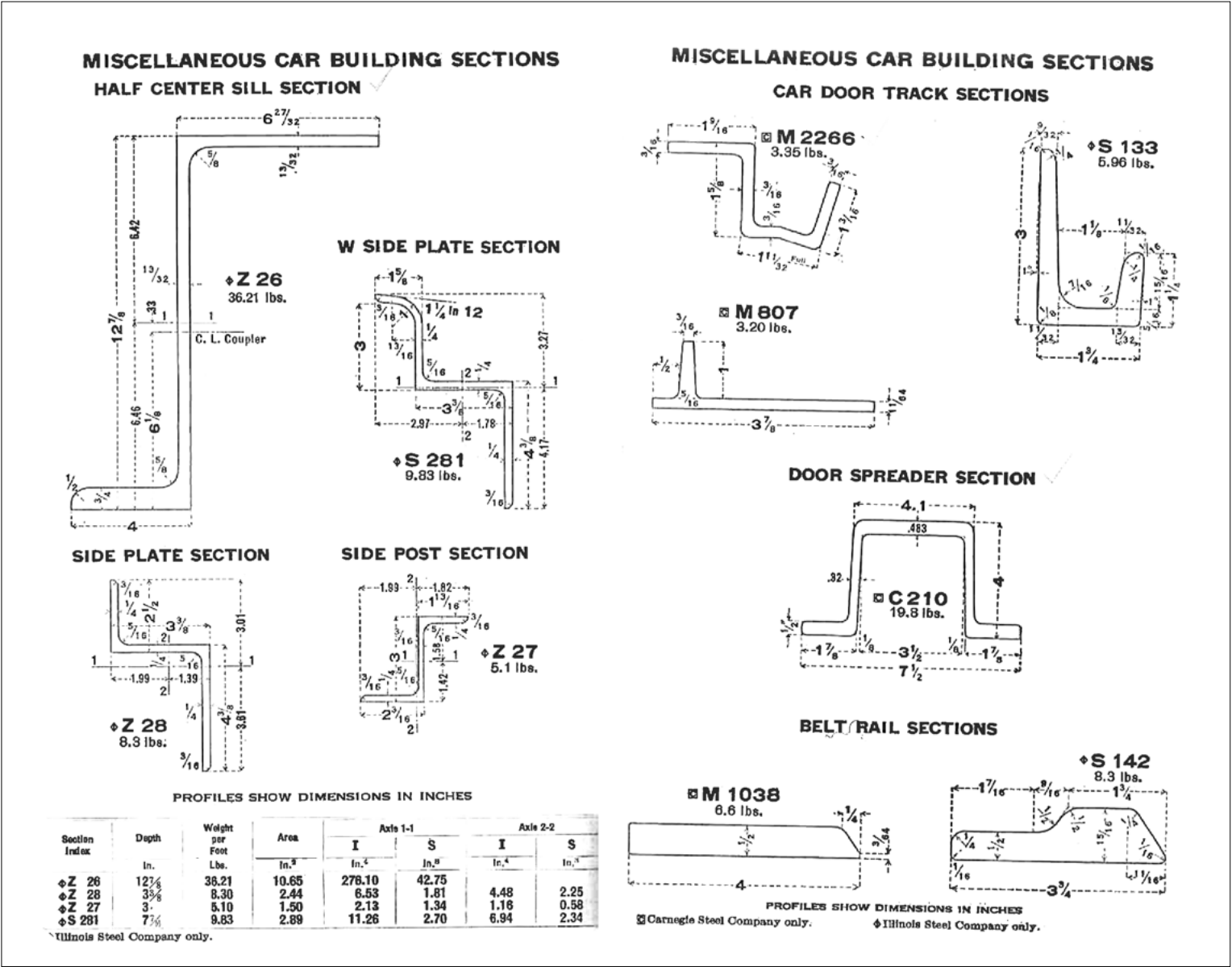


SECTION

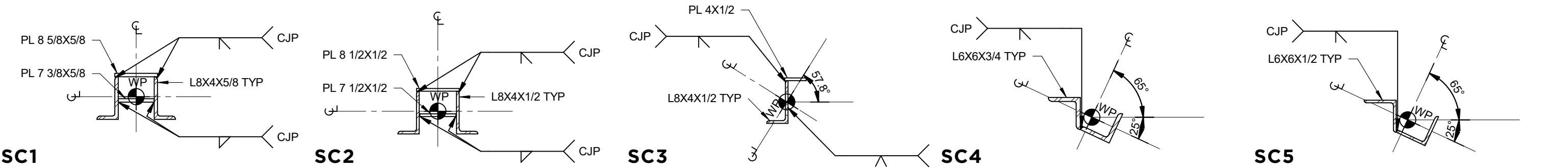


CAR BUILDING SECTION COLUMNS

TRADITIONAL CUSTOM SECTIONS



REINTERPRETED CUSTOM SECTIONS







WEST COMFORT STATION - PARK ENTRY





**SPORT HOUSE - DAILY USE**





SPORT HOUSE - SPECIAL EVENT





PARK HOUSE





PARK HOUSE



# The Cove



# The Cove







# The Cove and Amenities



## KEY

-  Bathrooms and Changing Rooms
-  Outdoor Showers

## SWIMMABLE AREA



approx.  
51,000 SF  
1.2 Acres  
1 Football Field

## SWIMMERS



2,040 swimmers per  
day, with a maximum of  
1,020 at a single time.  
(Weekend Peak)

## BEACH AREA



approx.  
45,700 SF  
1 Acres  
Approx. 3000 People

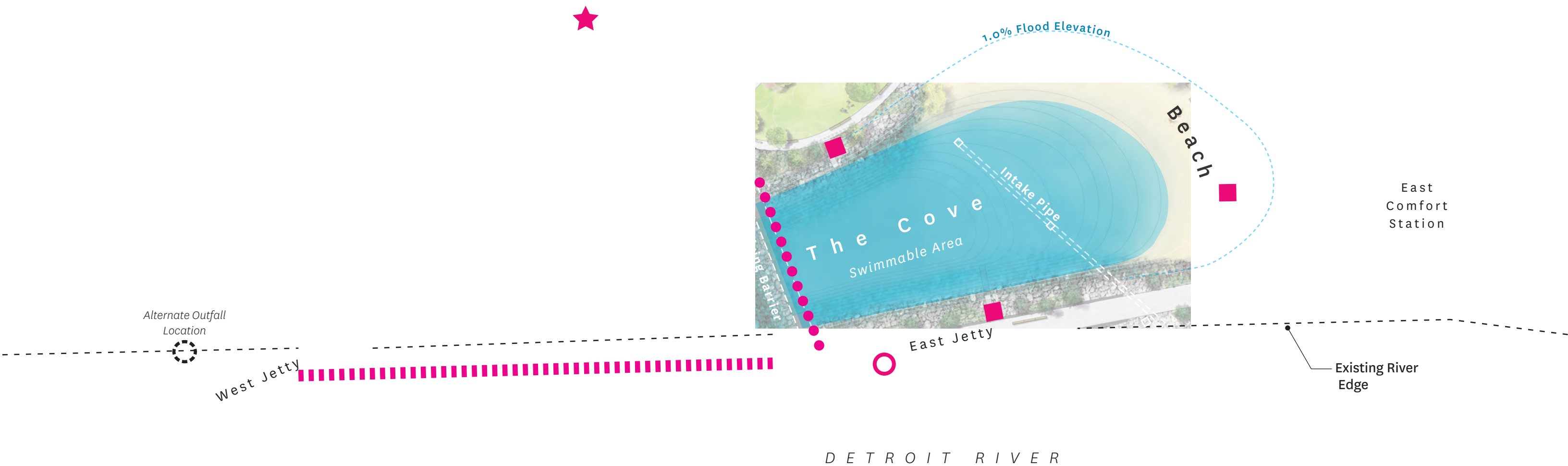
## SPILL OVER LAWN AREA



approx.  
32,200 SF  
.75 Acres  
Approx. 2000 People



# Safety Components



## KEY

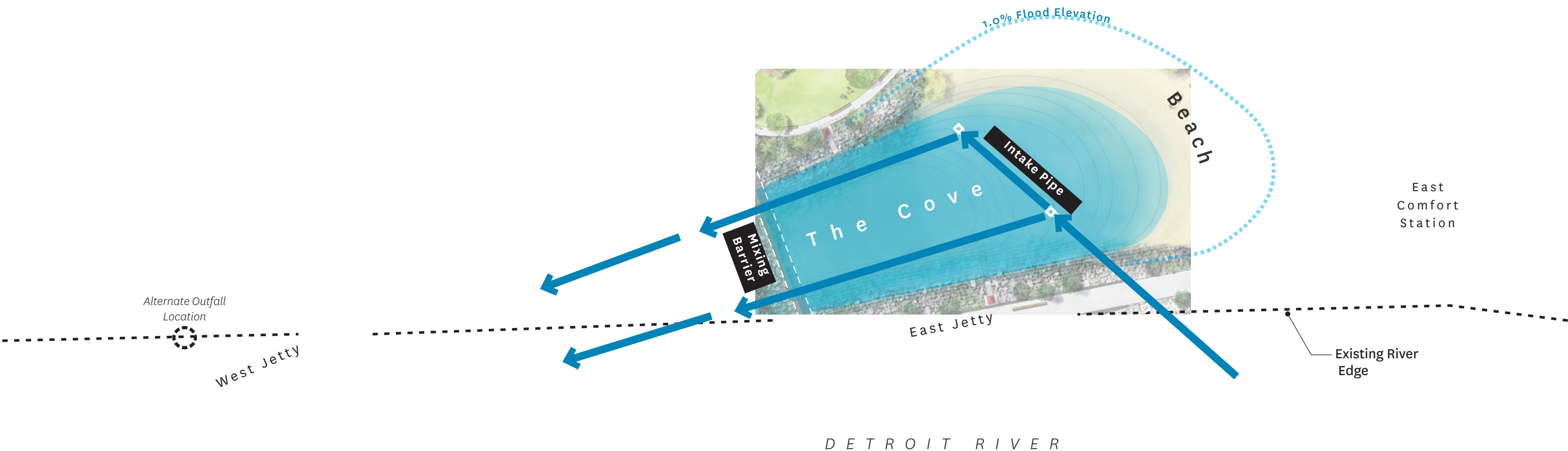
- Boom and Buoy Line
- Cove Buoy Line
- Lifeguard and Flag Station
- Zodiac Location
- Potential Emergency Boat Docking Location



# Ensuring Clean Water Quality in the Cove



# Cove Water Flows *An Intake Pipe Flushes Cove with Clean River Water*

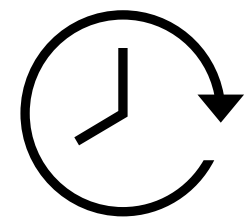


INTAKE PIPE FLOW RATE



6-8 CFS

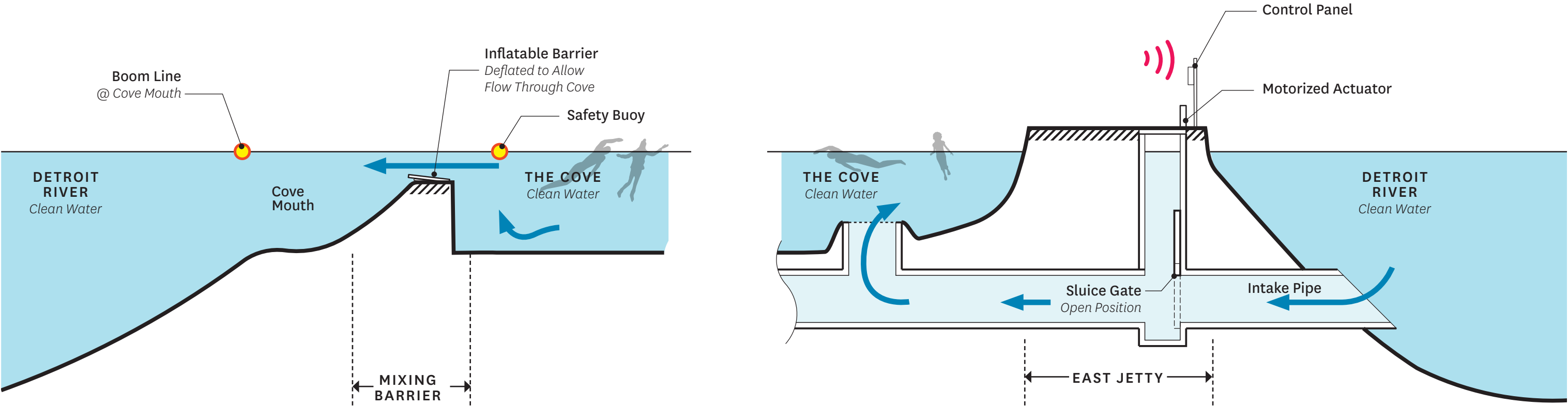
COVE RESIDENCE TIME



11-15 HOURS



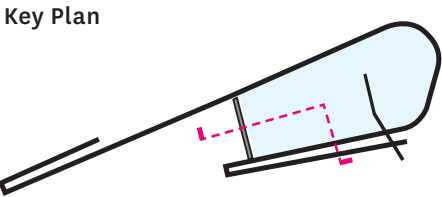
# Cove Water Flows An Intake Pipe Flushes Cove with Clean River Water



Mixing Barrier

+

Intake Pipe



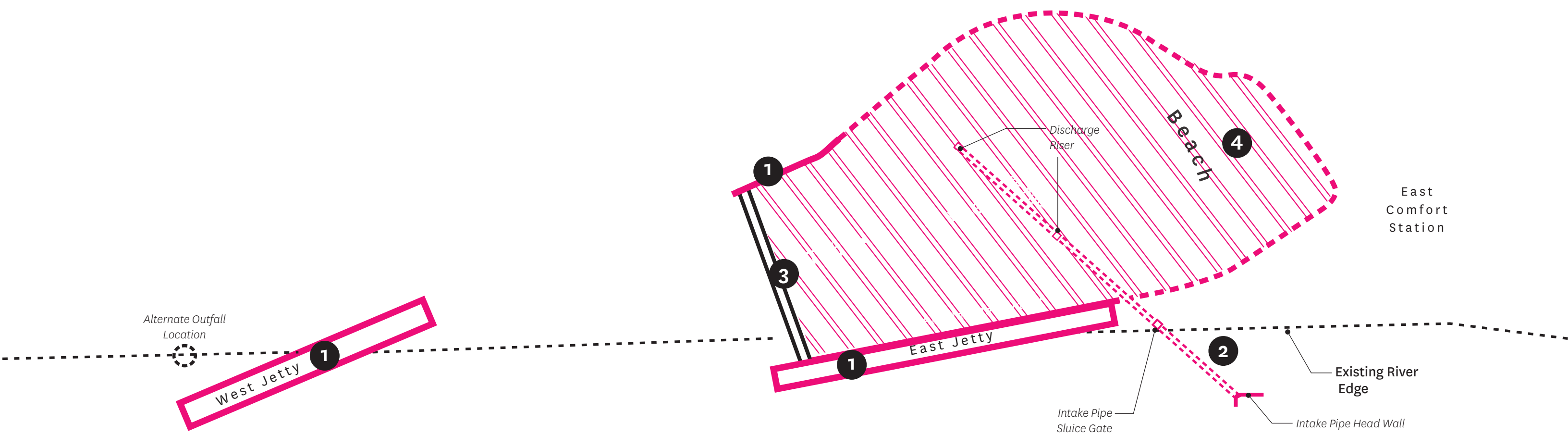


# Collecting Samples in the Detroit River





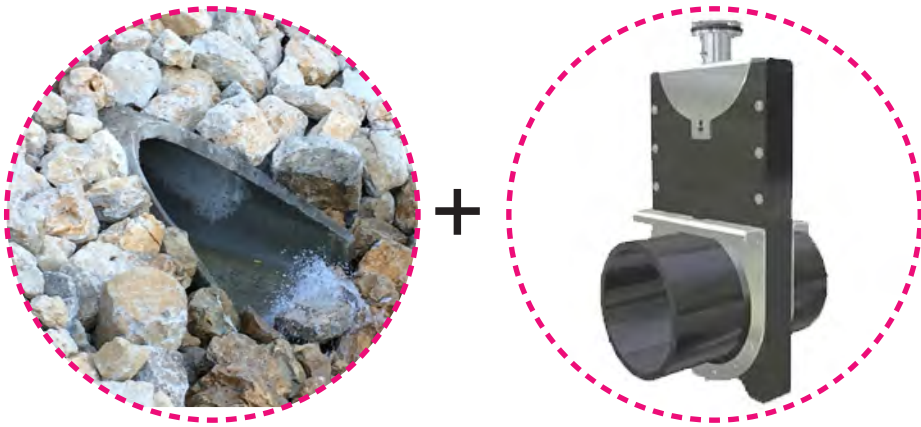
# Constructing the Cove *Ensuring Health and Human Safety*



1. CRIBBING + SEALED SHEETPILES



2. INTAKE PIPE WITH SLUICE GATE



3. INFLATABLE BARRIER

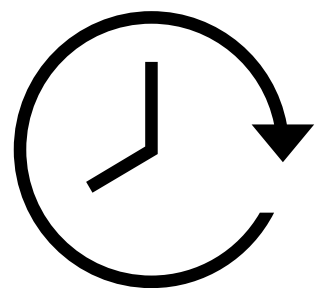
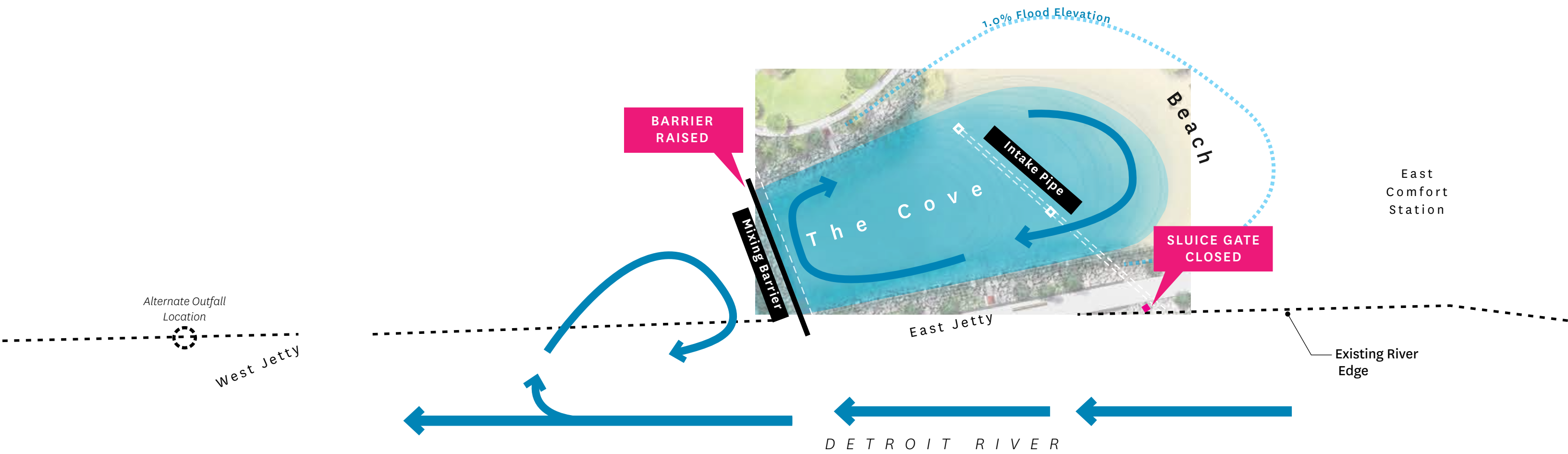


4. BENTONITE CLAY LINER

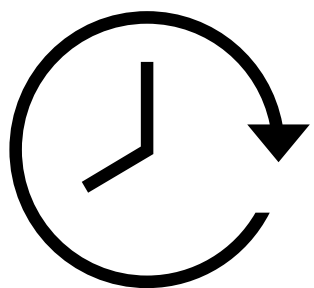




# Cove Water Flows *Hydraulically Cut-off from River during CSO Event*



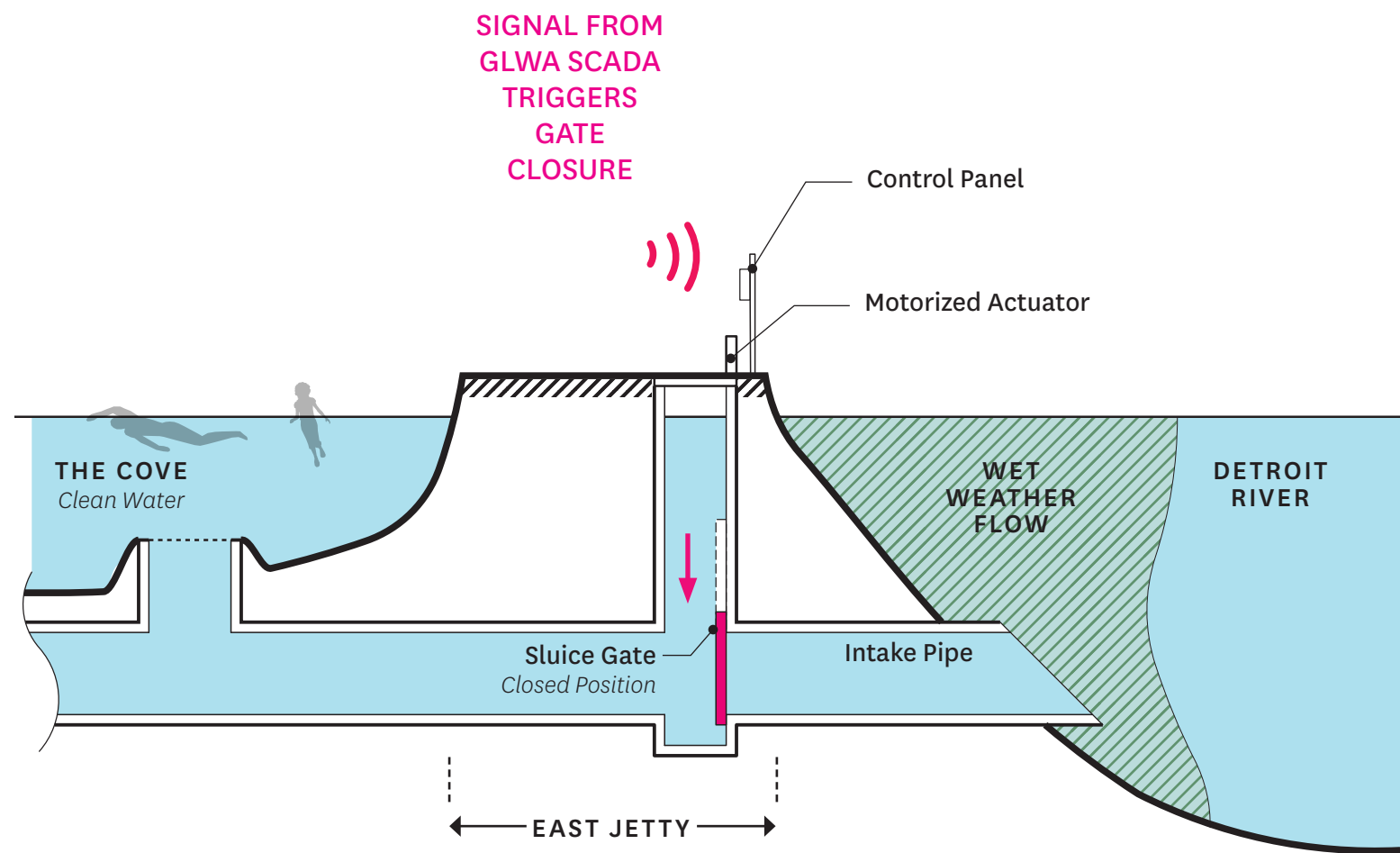
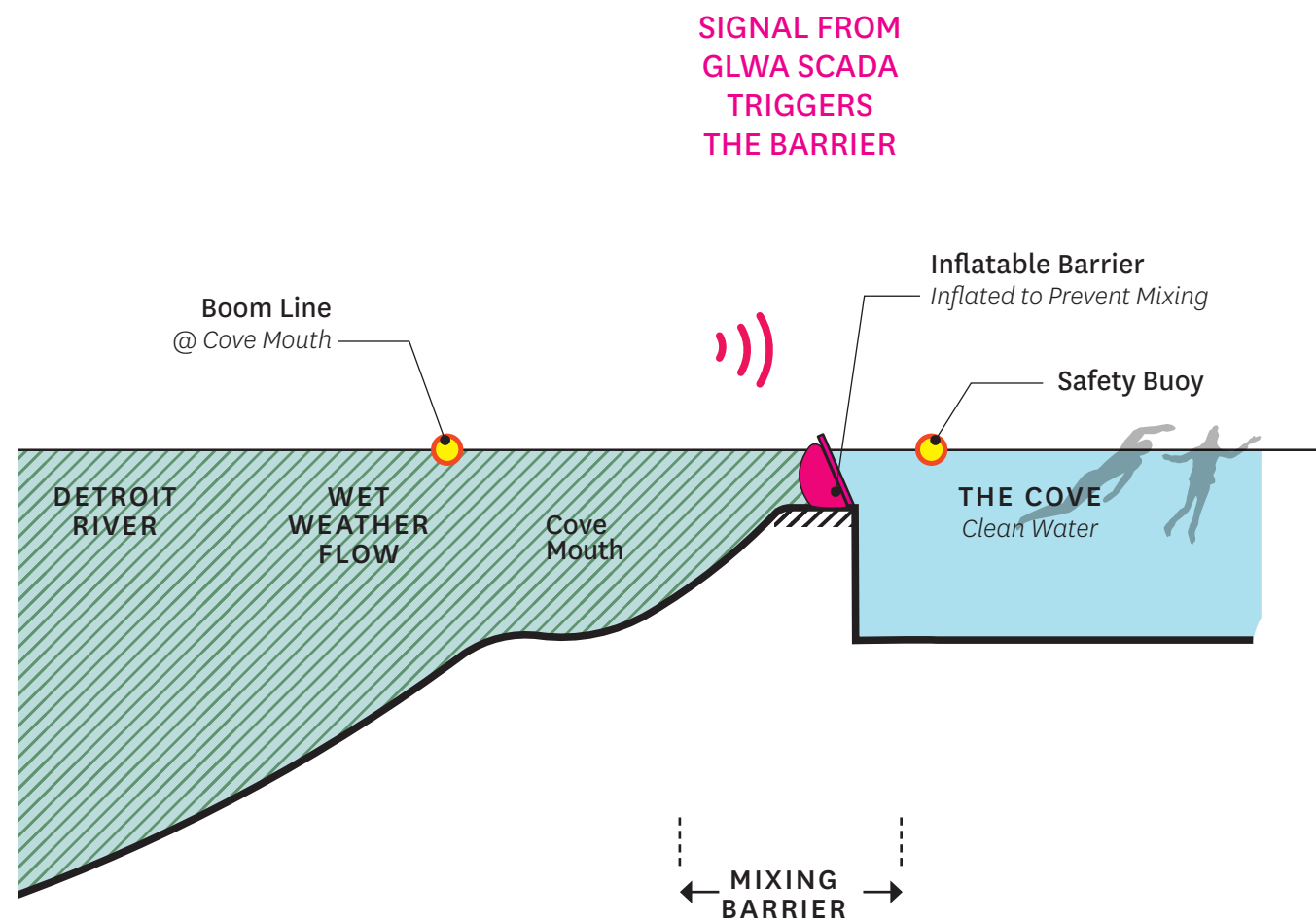
**UP to 5 DAYS**  
COVE REMAINS SWIMMABLE  
WHILE INTAKE IS CUTOFF



**UP to 2 DAYS**  
TIME FOR WET WEATHER FLOW  
PASSAGE POST CSO DISCHARGE



# Cove Water Flows *Hydraulically Cut-off* from River during CSO Event



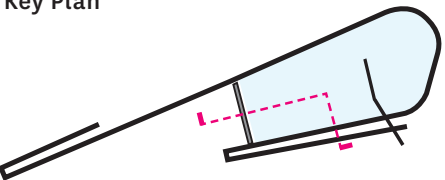
ANTICIPATED CONFIGURATION  
FOR UP TO 20% OF THE DETROIT  
RECREATION SEASON (MAY-OCT)

Mixing Barrier

+

Intake Pipe

Key Plan





# DRFC Cove Water Quality Monitoring Plan

— The DRFC is currently preparing a water quality monitoring plan that will meet or exceed the criteria established by the State of Michigan.

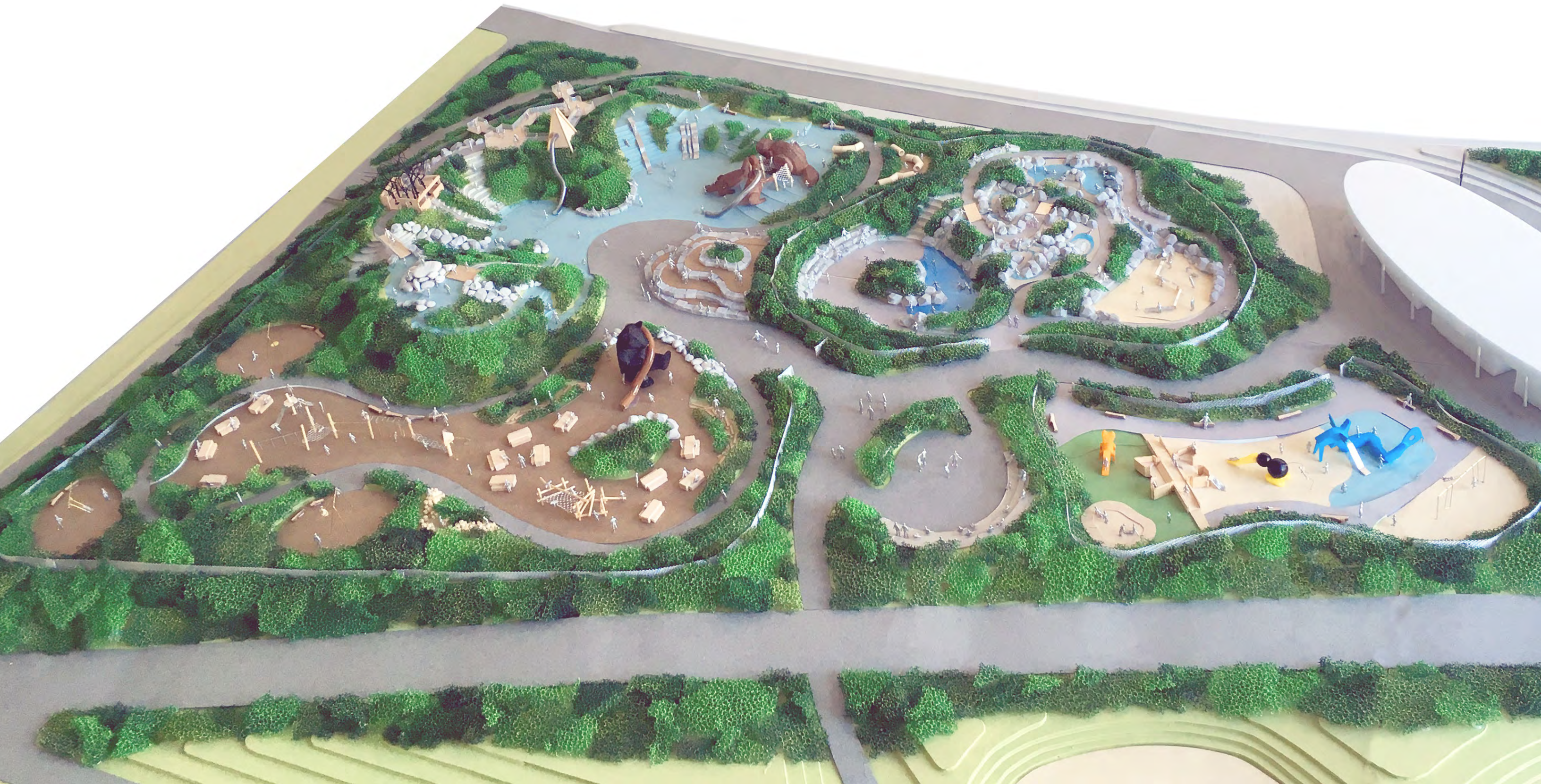




# Delta Dental Play Garden



# Delta Dental Play Garden



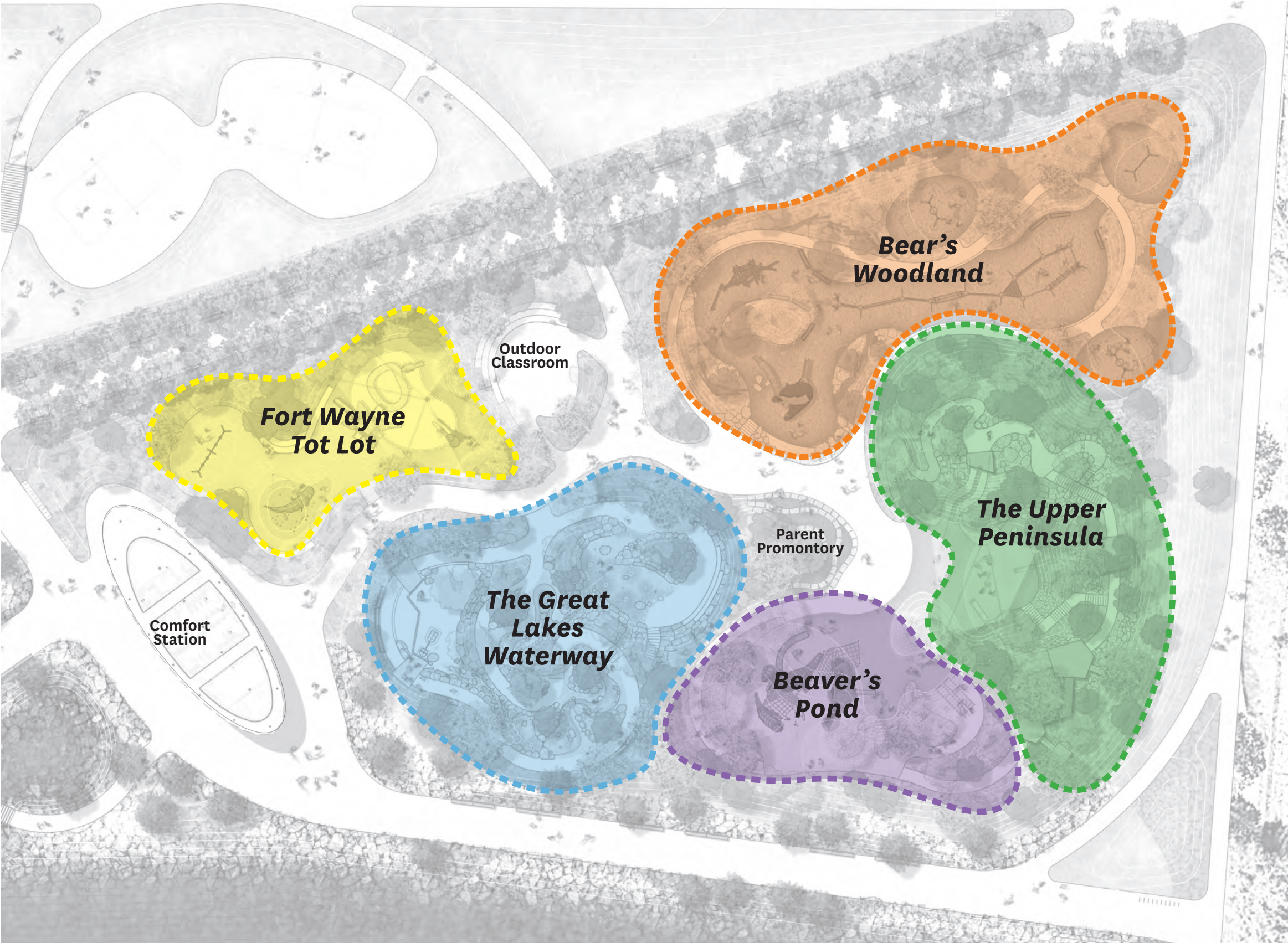


# Park Plan





# Delta Dental Play Garden Activity Clusters

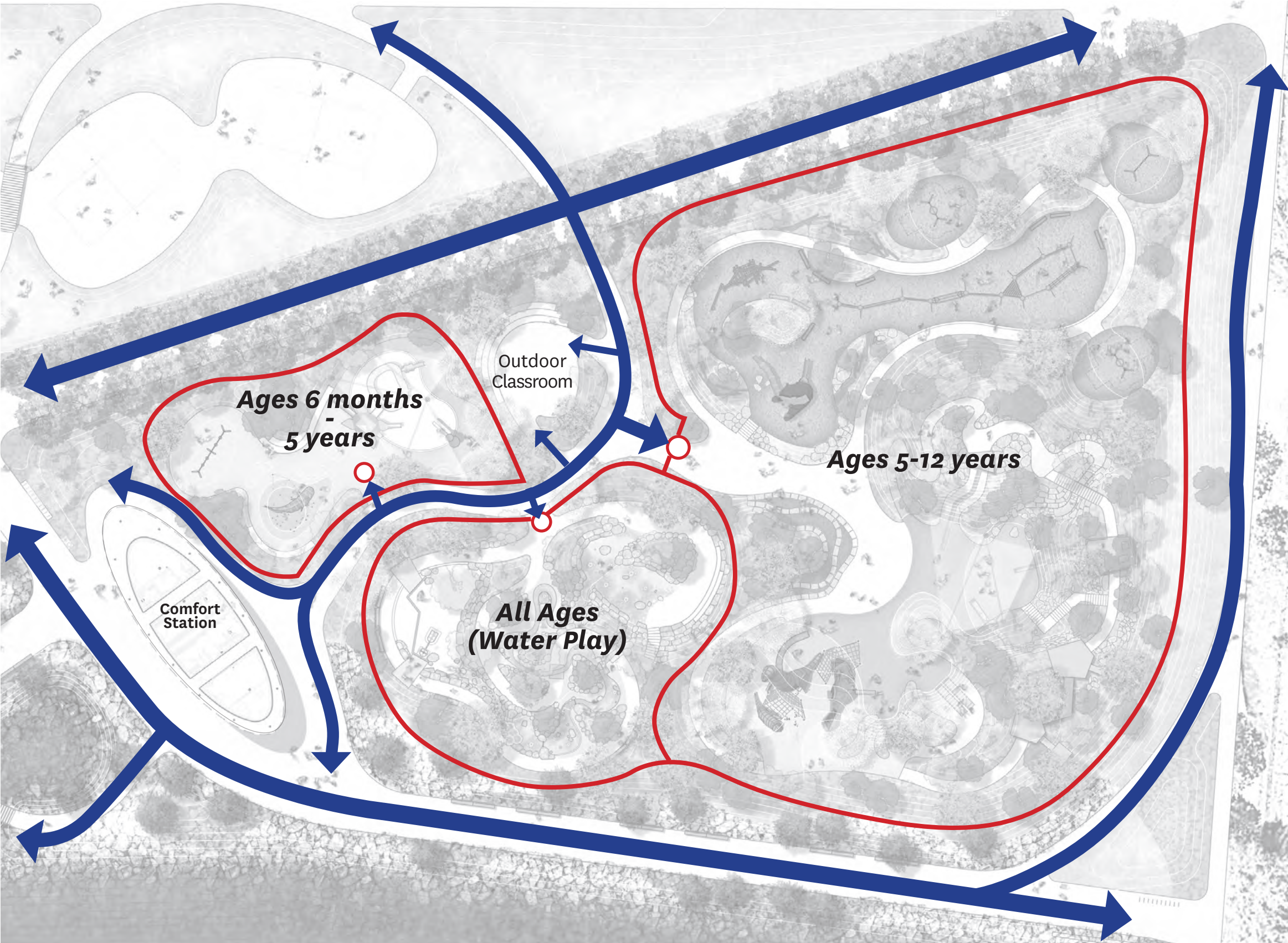


**KEY**

- 1. Bear's Woodland
- 2. The Upper Peninsula
- 3. Beaver's Pond
- 4. Water Play
- 5. Fort Wayne Tot Lot



# Delta Dental Play Garden *Age Groups & Enclosures*



**KEY**

- Playground Enclosure
- Playground Gate
- Park Path



# Delta Dental Play Garden *Circulation Networks*

**KEY**

- Playground Fence
- Park Path
- Primary Play Path (ADA)
- ◀▶ Secondary Play Path

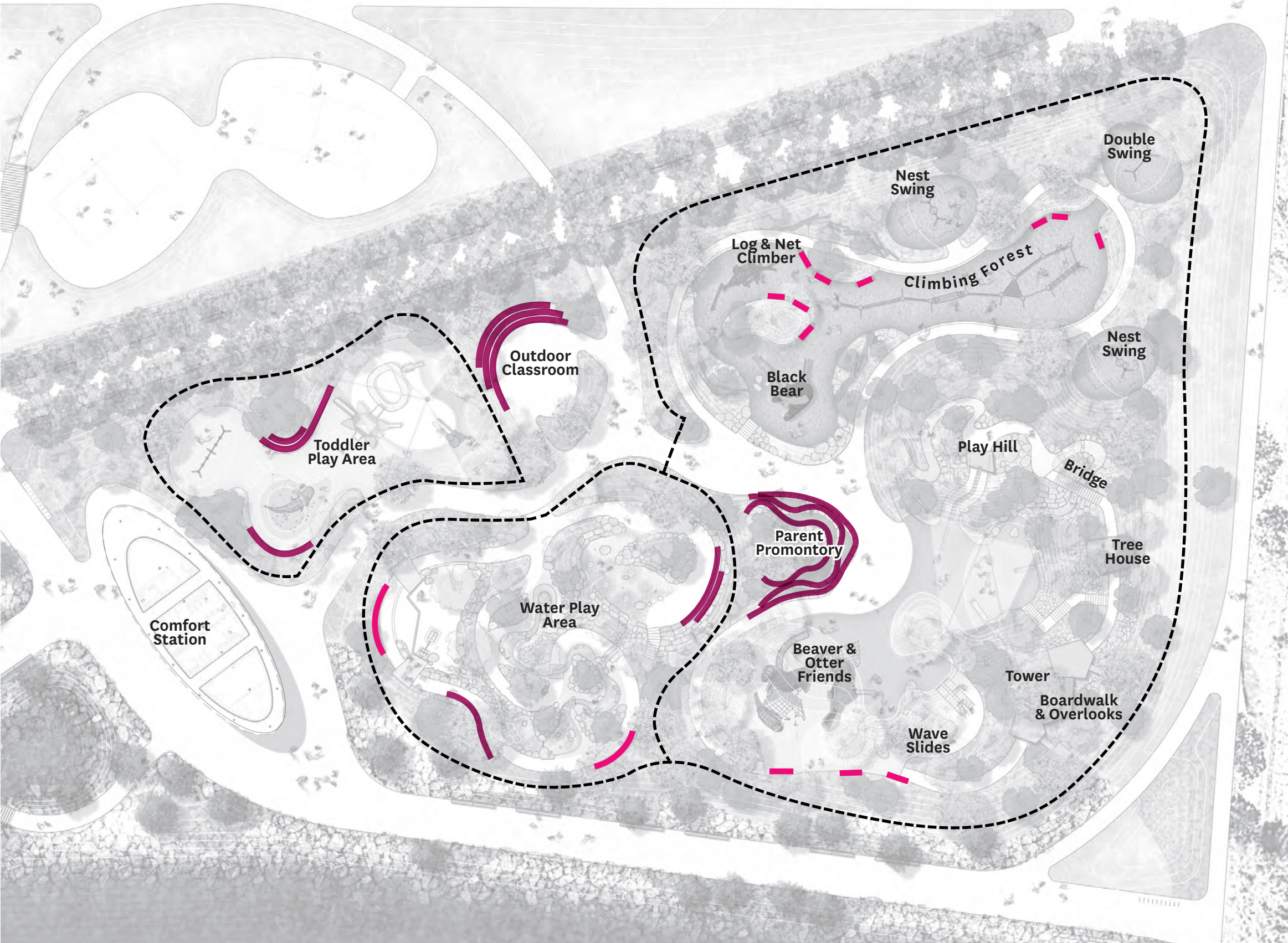




# Delta Dental Play Garden *Guardian Seating*

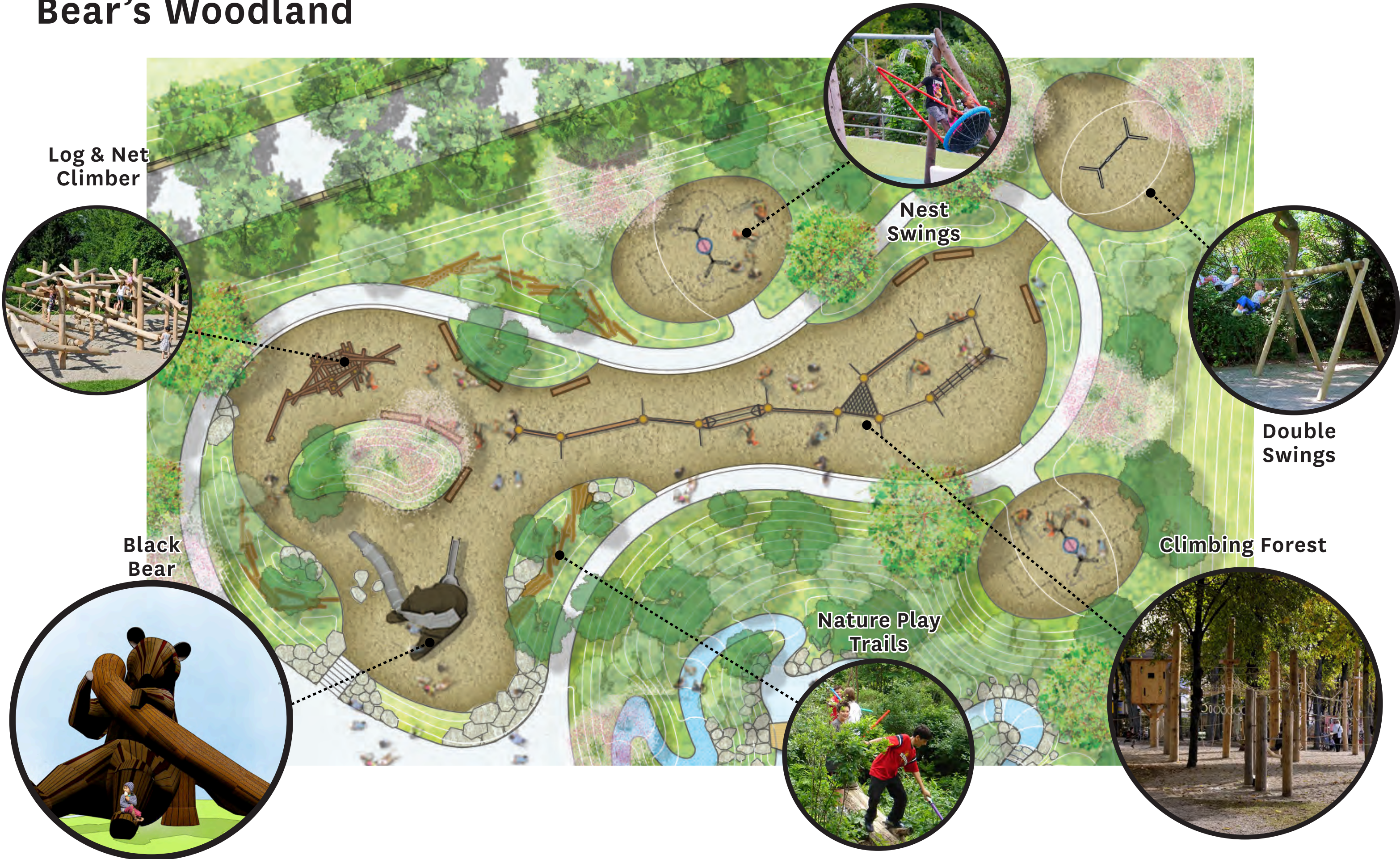
**KEY**

- Playground Fence
- Stone or Concrete Seating
- Park / Log Bench





# Bear's Woodland



Log & Net Climber

Nest Swings

Double Swings

Climbing Forest

Nature Play Trails

Black Bear







# Upper Peninsula



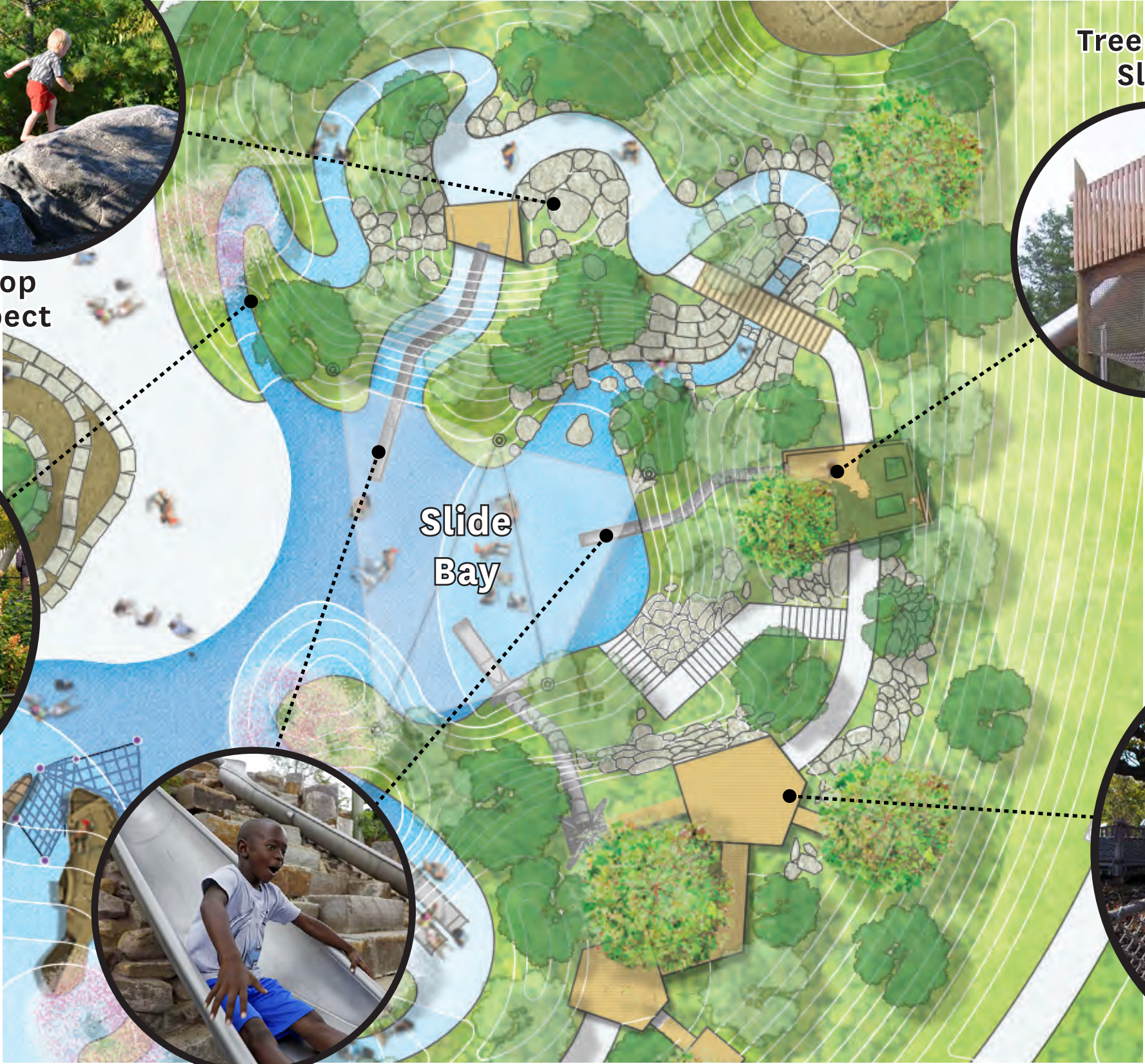
Hilltop Prospect



Treehouse Slide



Playful Paths



Treetop Boardwalk



Embankment & Tunnel Slides







# Beaver's Pond



Otters

Climbing  
Nets

Parent  
Promontory

Slide  
Bay

Wave  
Slides

The Beaver

Sumac  
Scramble



# Fort Wayne Tot Lot



Tot Swings



The Fox



Circular Boardwalk & Sandbox

Outdoor Classroom

The Bird



Fort Wayne



Ages 2-5 year Old

Ages 6 months to 2 year Old



Large Mouth Bass

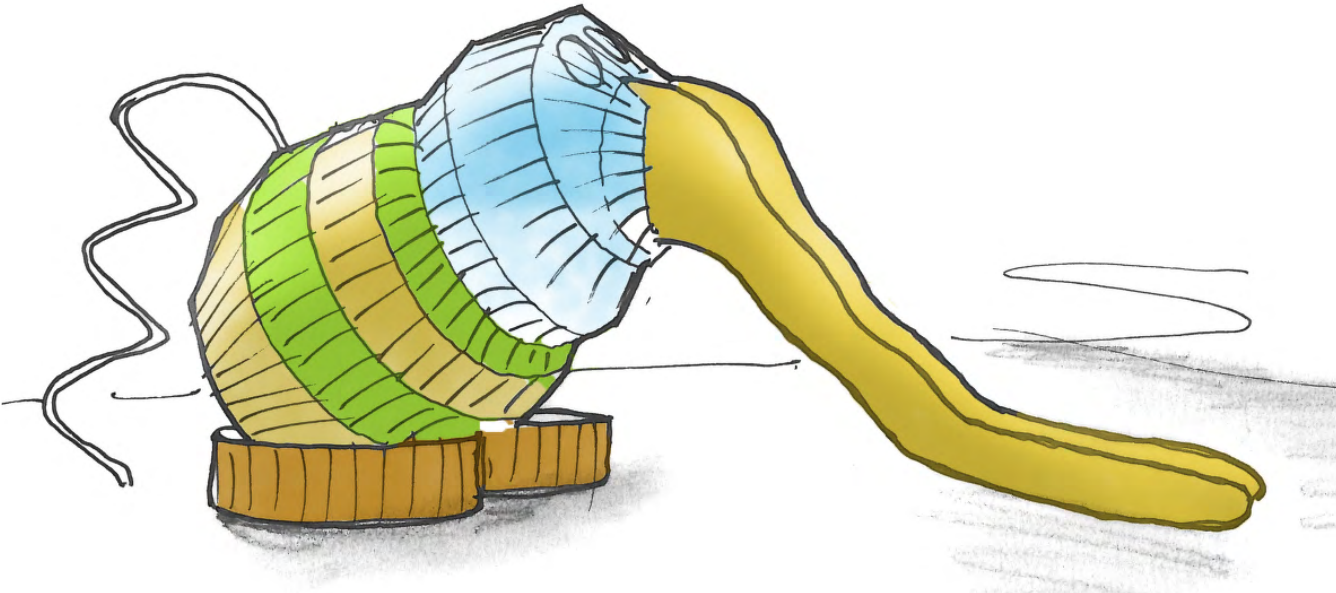
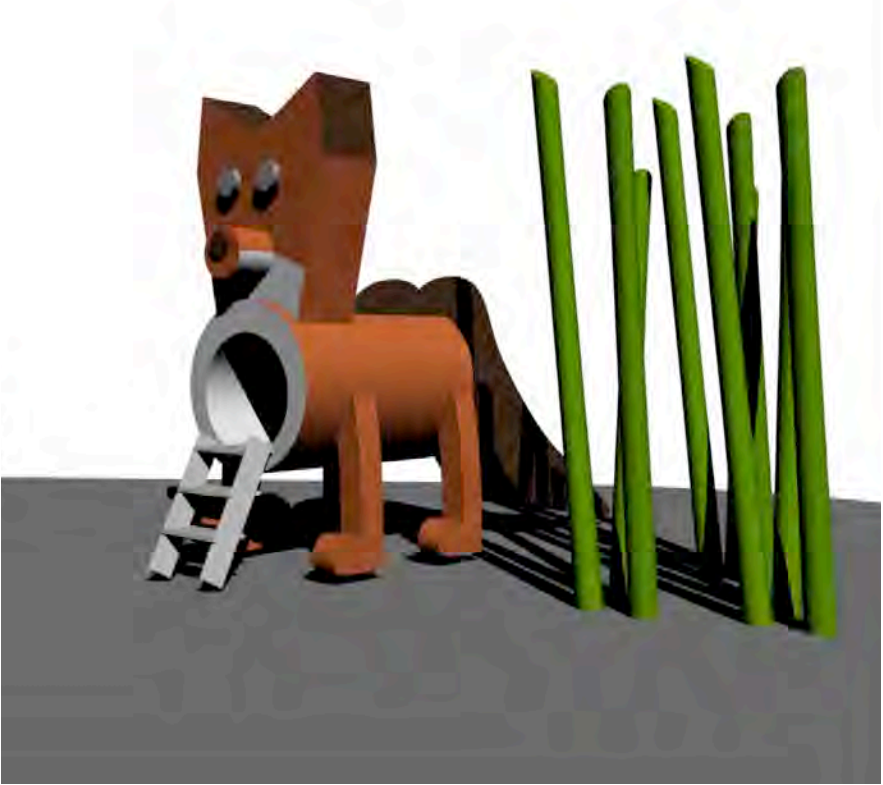
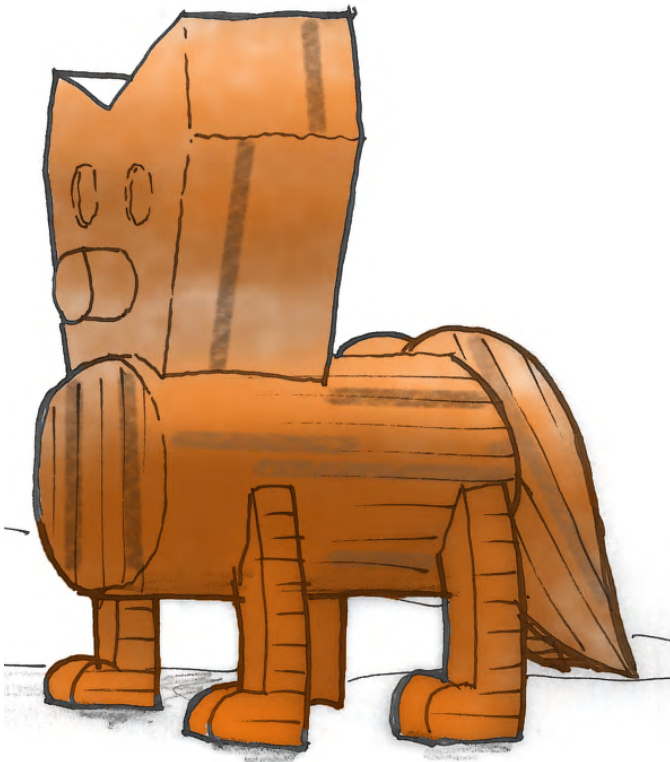


# Children's Workshop





Fort Wayne Tot Lot *Monstrum Structures*





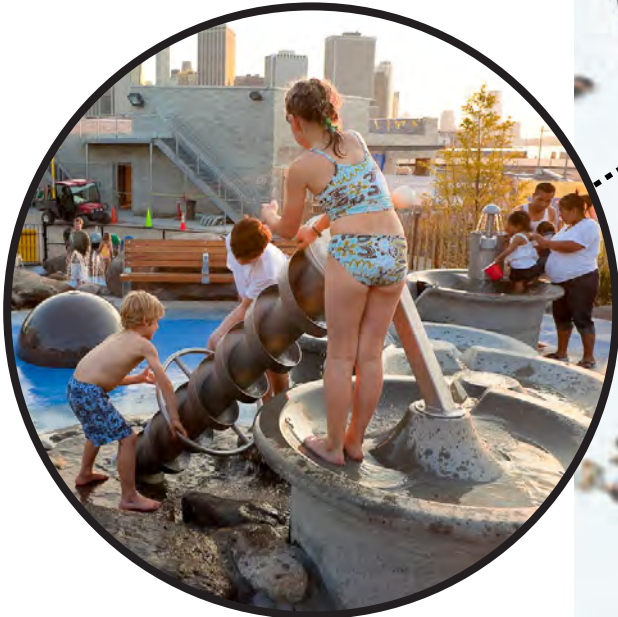
# The Great Lakes Waterway



**Sand & Water Play**



**Water Jet Field**



**Archimedes Screw**



**Locks & Channels**



**Reservoir Trays**



**Stony Stream**







# Planting



# Park Plan





# A Park for All Seasons

**Spring** Parc de Sceaux, France



**Summer** Belle Isle, Detroit, MI



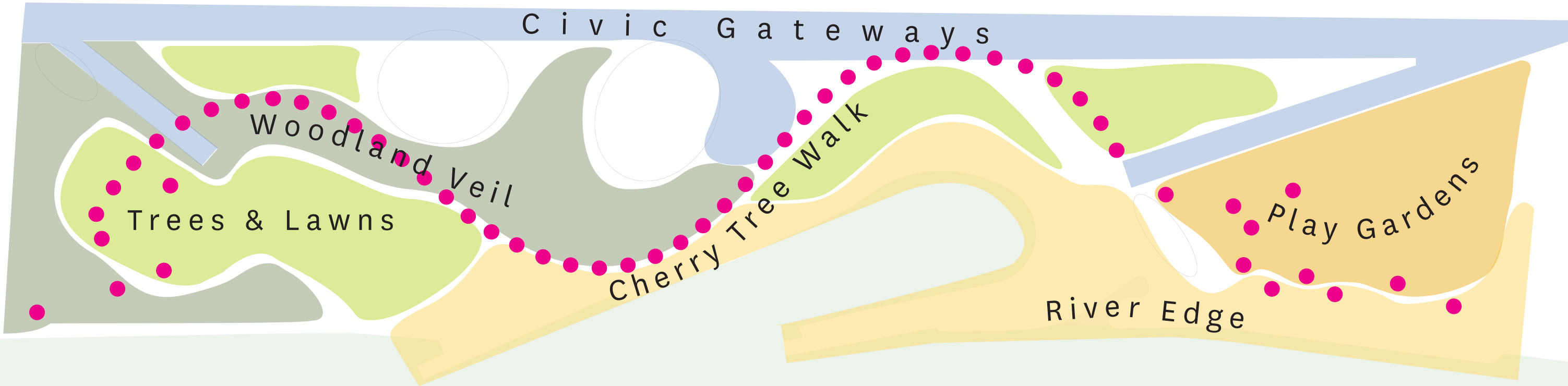
**Winter** Hudson River Park, New York, NY



**Fall** Clark Park, Detroit, MI



# Park Planting Types





# Civic Gateways



Entry Allee Central Park, NY





# Civic Gateways Promenade

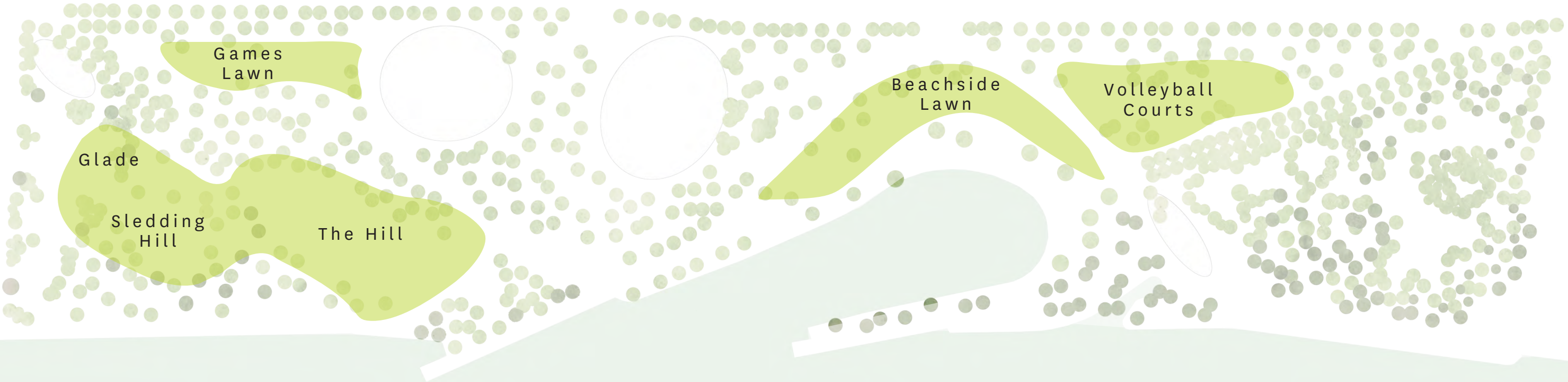




# Trees & Lawns

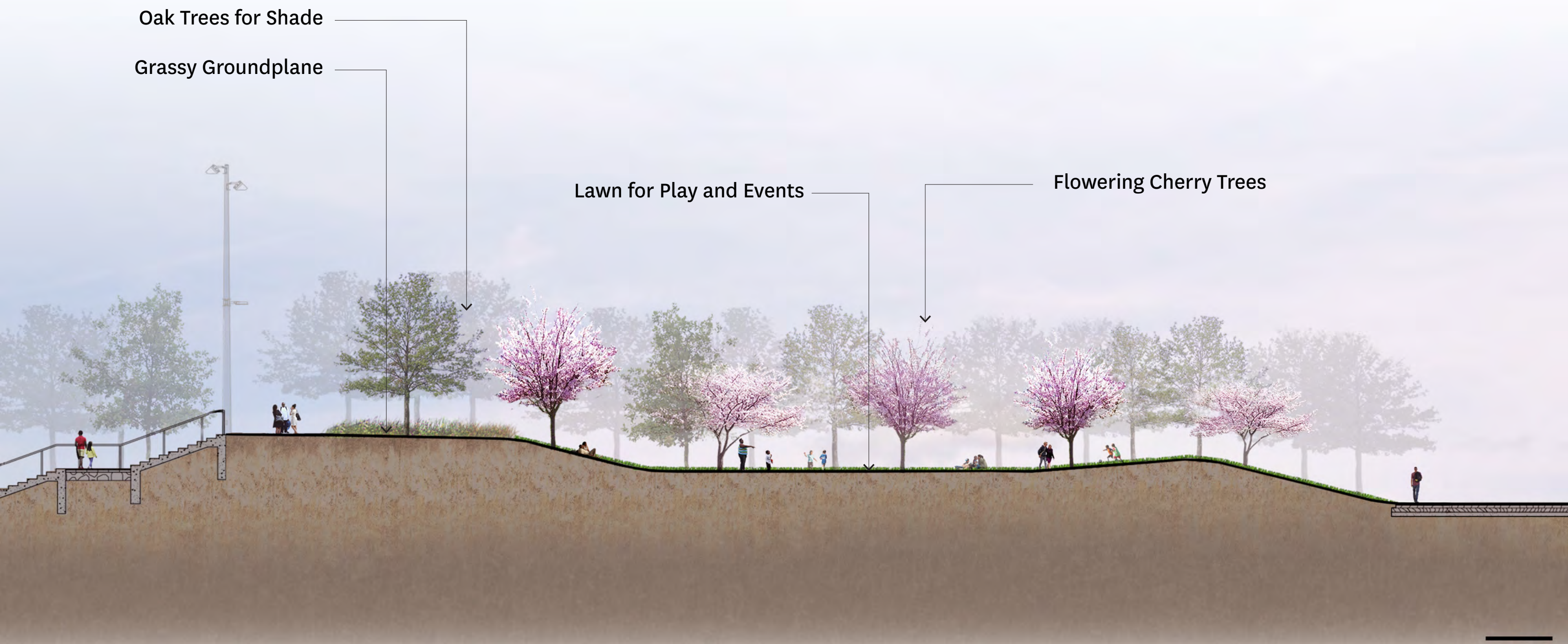


Rolling Topography Prospect Park, NY





# Trees & Lawns The Hill

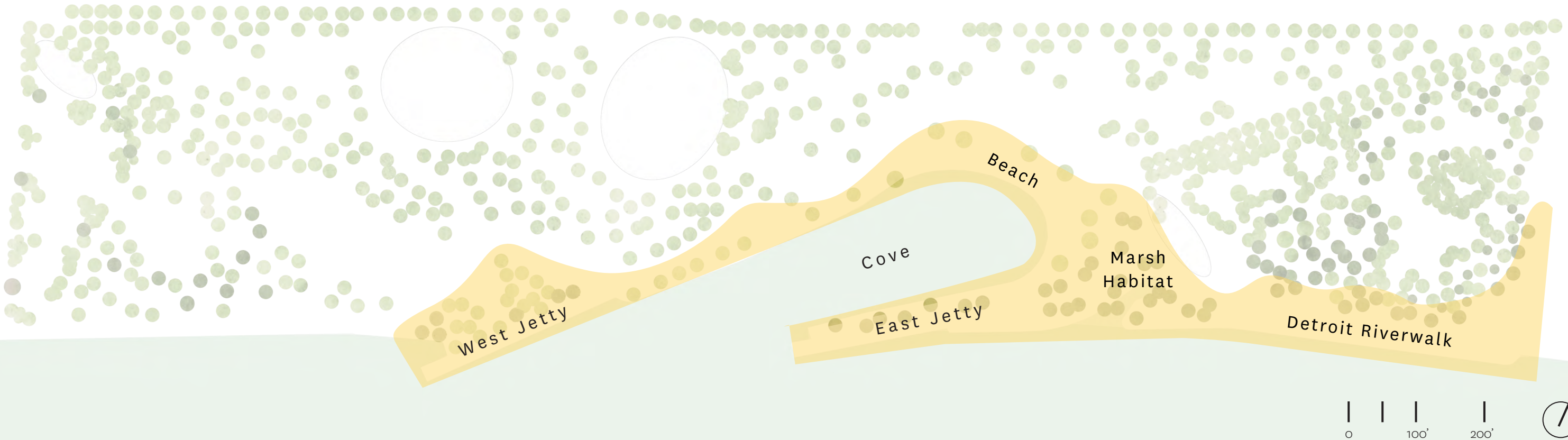




# River Edge

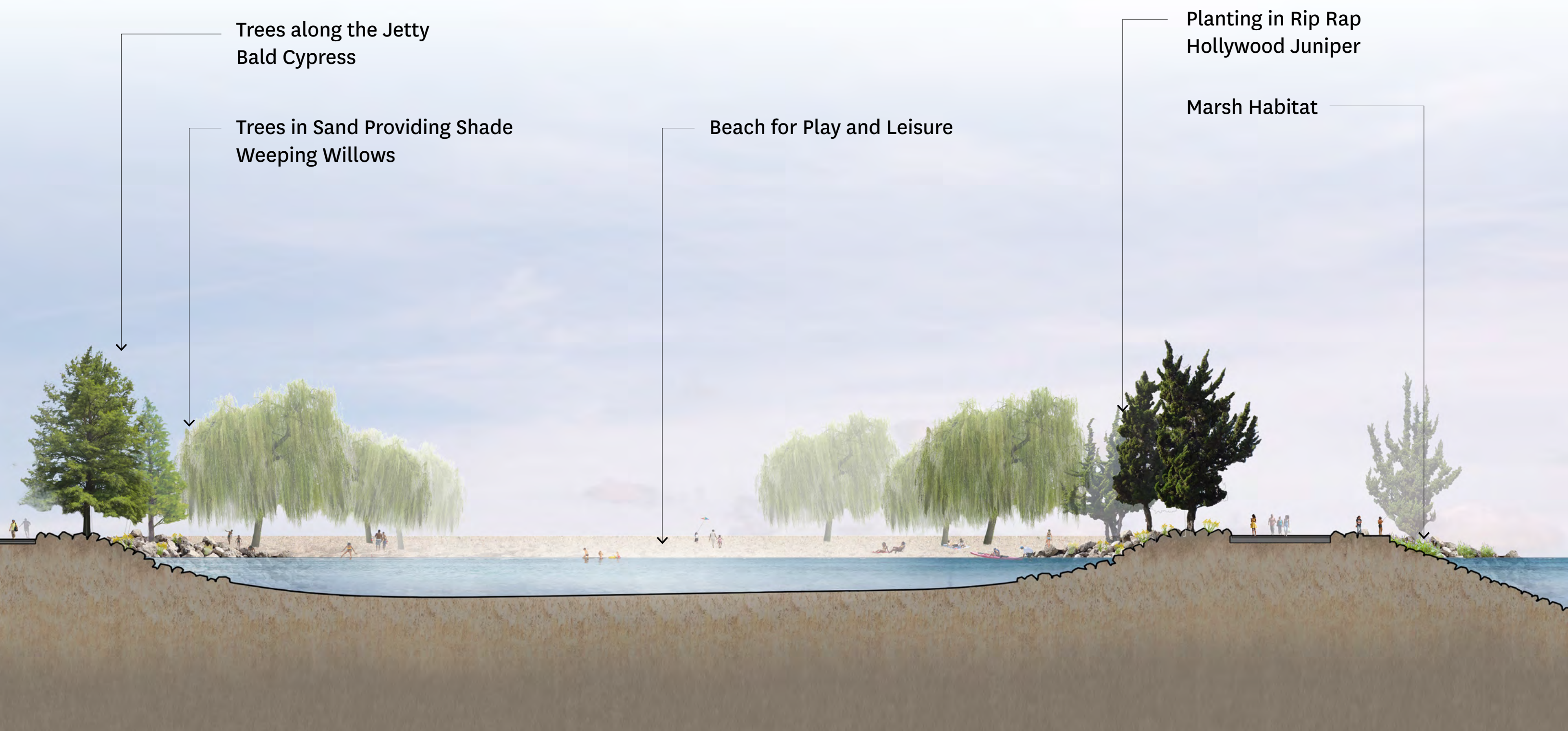


Beachside Plantings Cherry Beach, ON





# River Edge The Cove



Trees along the Jetty  
Bald Cypress

Trees in Sand Providing Shade  
Weeping Willows

Beach for Play and Leisure

Planting in Rip Rap  
Hollywood Juniper

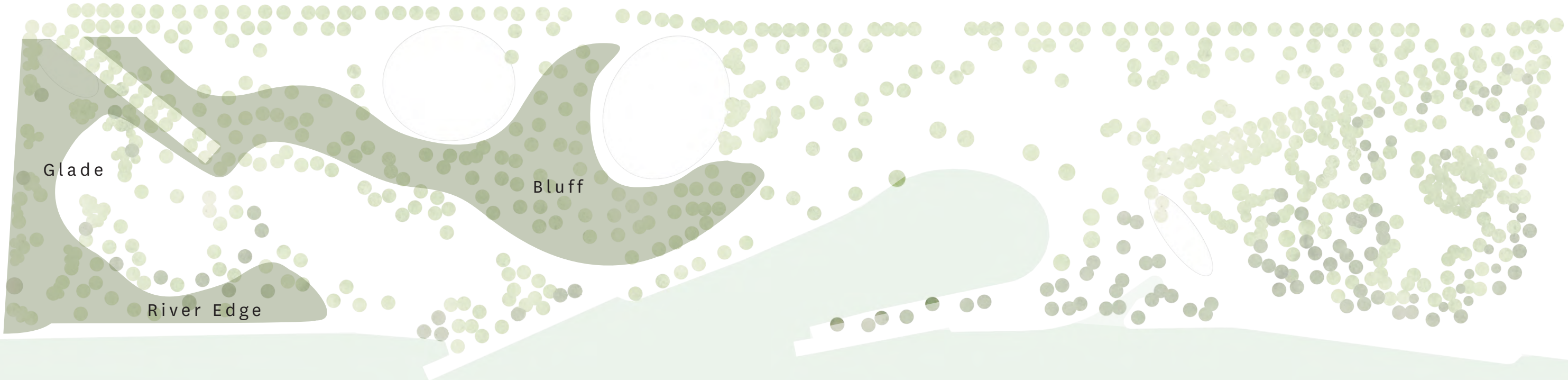
Marsh Habitat



# Woodland Veil

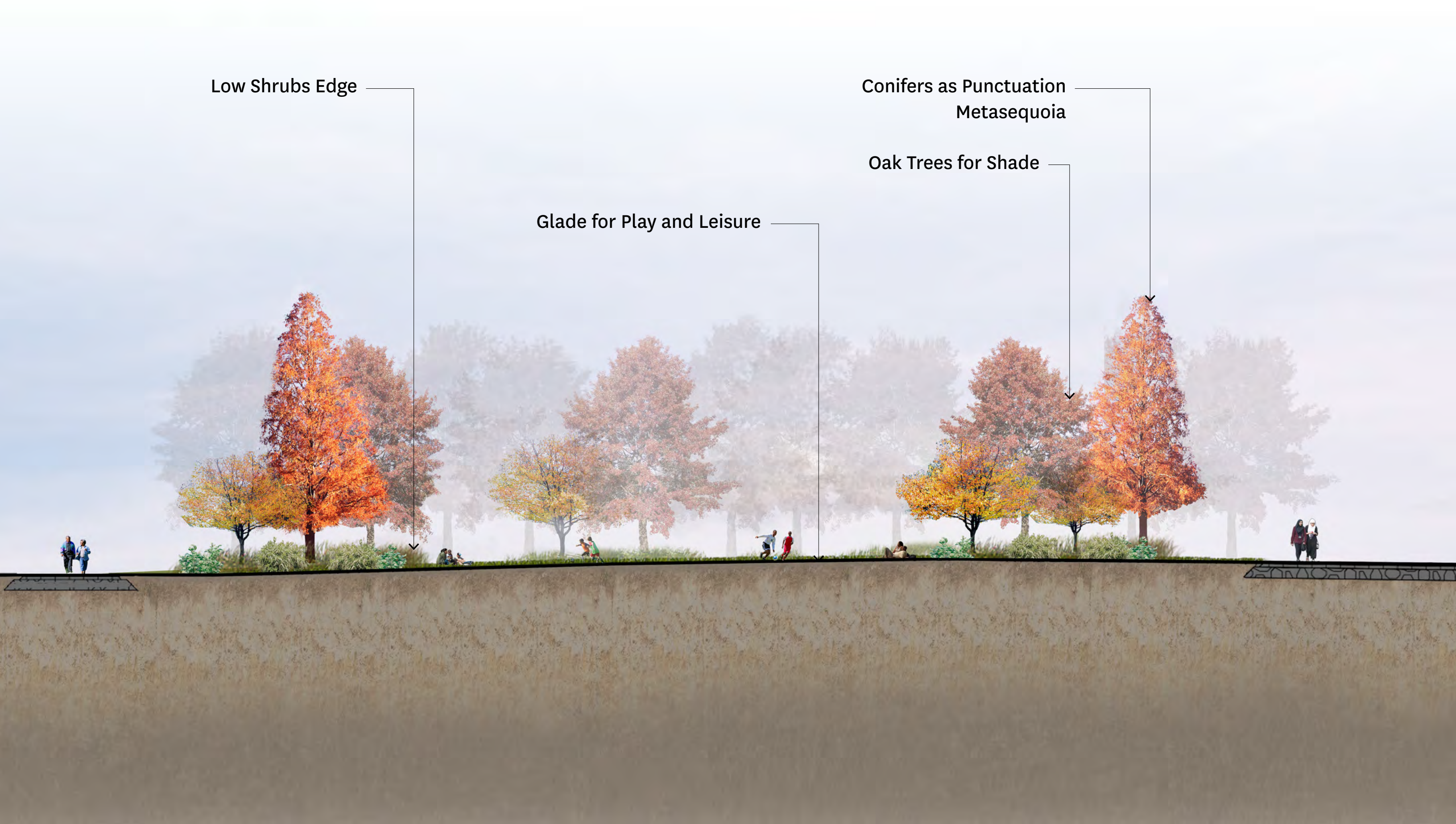


Planted Path Clark Park, Detroit, MI





# Woodland Veil





# Play Gardens



Scaling Space for Kids Maggie Daley Park, Chicago



Weeping Evergreen Trees  
Weeping Norway Spruce



Provide Shade Brooklyn Bridge Park, NYC





# Play Gardens



High Canopy Trees  
for Shade

Shade Tolerant  
Evergreen Shrubs

Dense Canopy Trees  
Shading the Slides

Small Flowering Trees  
Along the Boardwalk

Weeping Evergreen  
Ridge Line

River's Edge Planting

Play Hill

Slide Bay

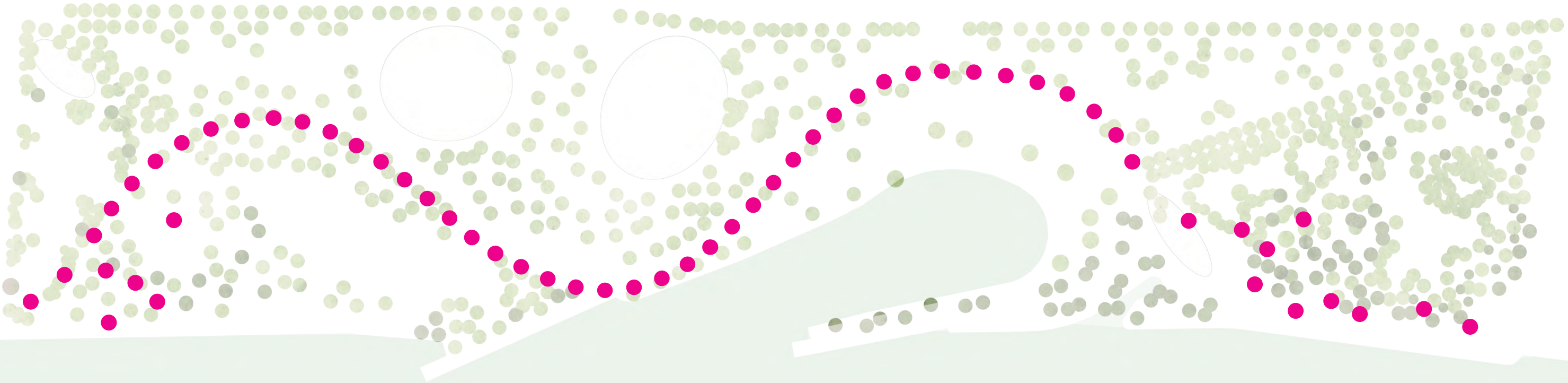
Canopy Boardwalk



# Cherry Walk



Kwanzan Cherries Brooklyn Botanical Garden, NY



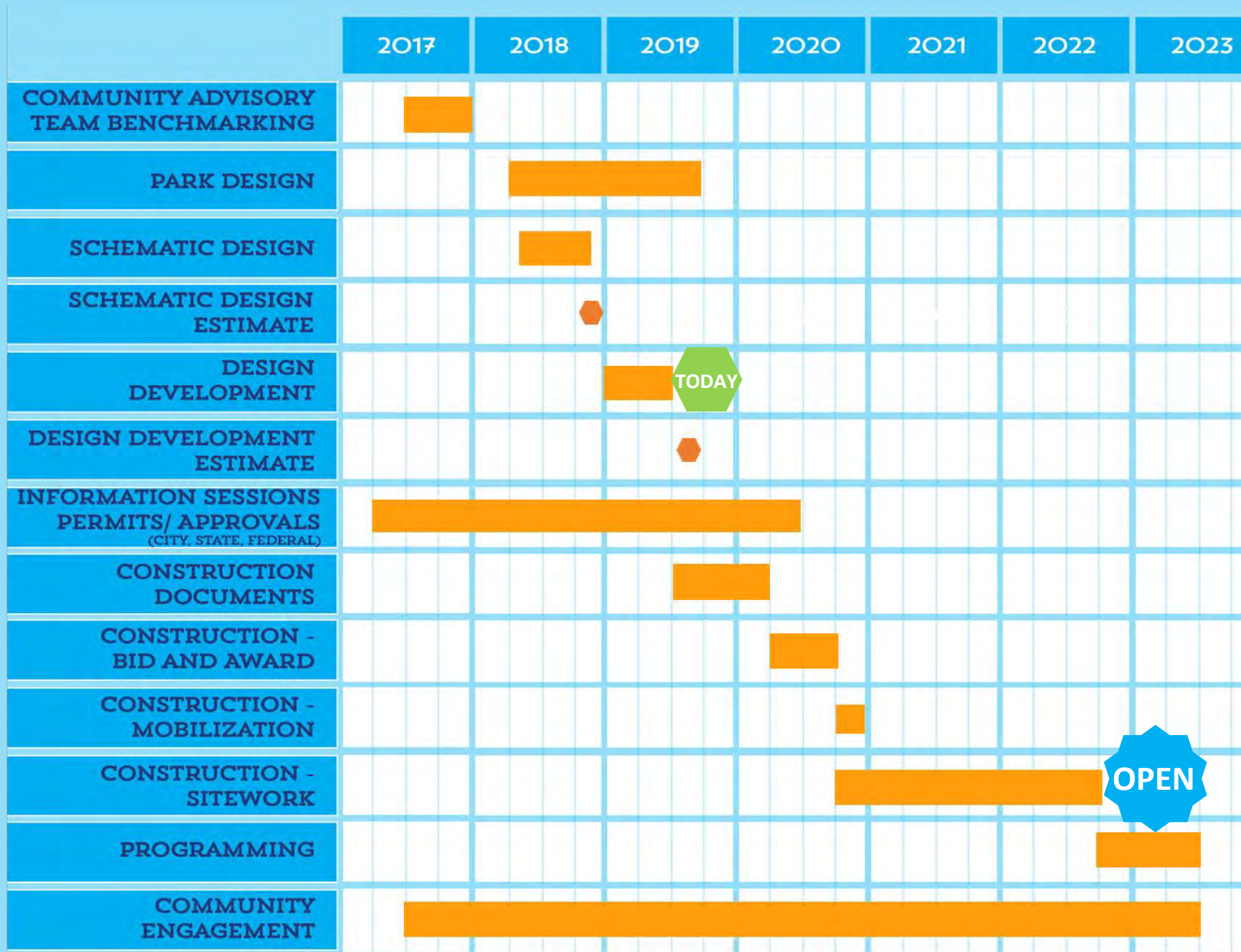


# A Park for All Seasons



**Spring** Parc de Sceaux, France





# RALPH C. WILSON JR. CENTENNIAL PARK PROJECT SCHEDULE





# Park Plan

