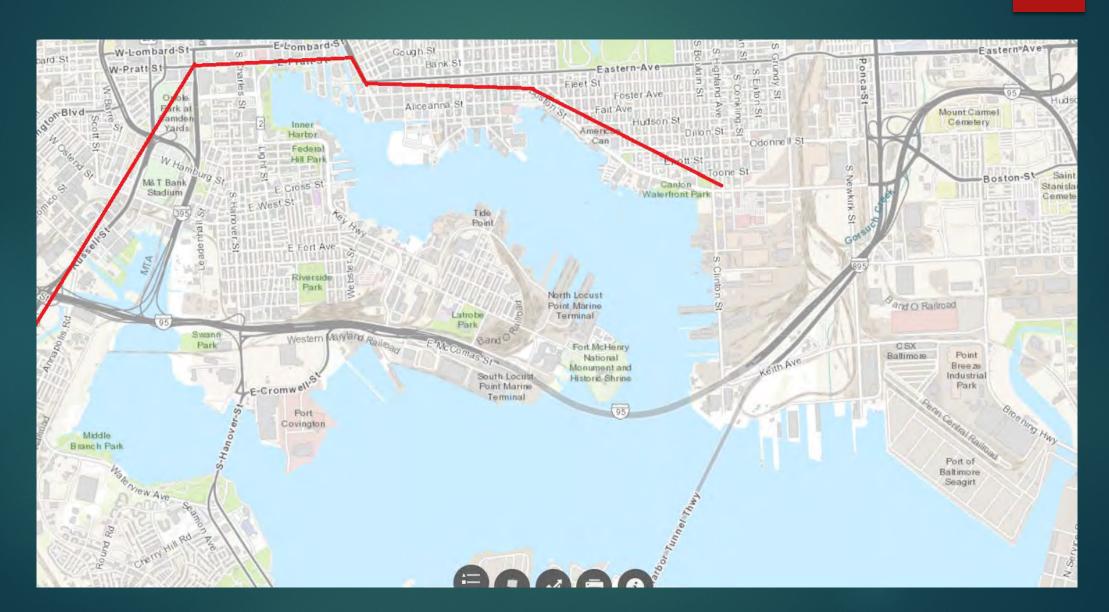
# Coastal Risks & Mitigation Planning

JOANNA BIRCH AND GRACE HANSEN BALTIMORE OFFICE OF SUSTAINABILITY

#### Where We Work



#### Our Roles

Jo Birch – Floodplain Manager	Grace Hansen – Critical Area/Coastal Planner
Riverine Floodplain	Coastal Floodplain (S. of Pratt & E. of Russell)
CRS Coordinator	Critical Area Planner (overlap with coastal)

Review and issue permits in 3 permit systems

Participate in Pre-development meetings

Support Office of Sustainability staff with technical knowledge for DP3, CAP

Attend public events in fall & spring to interface with the public

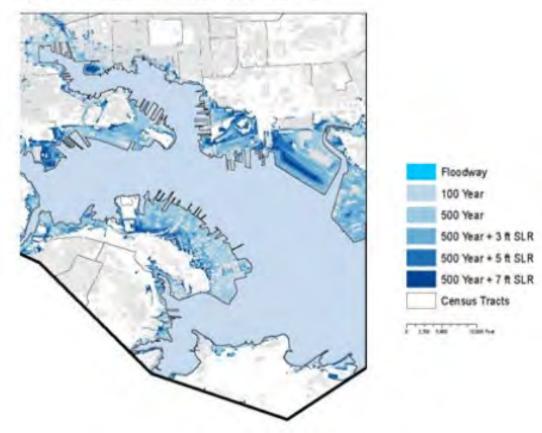
Respond to requests for regulation requirements from the public, developers, and city agencies

Work collaboratively with other environmental planners to refine procedures and code

# Coastal and Flooding Mitigation

- ► Flooding and Infrastructure Work Group
- Community Rating System (CRS)

Figure 18: Industrial Flood Exposure Areas



# Coastal and Flooding Mitigation

- Comprehensive Watershed Master Plan
- Disaster Preparedness and Planning Project(DP3)
  - ► Floodplain management
  - ▶ Flood maps
  - Participation in Hydrologic and Hydraulic study
- ▶ Updating Nuisance Flood Plan



Storm surge potential with Sea Level Rise for Category 1 (blue), Category 2 (green), Category 3 (yellow), and Category 4 (red) humicanes in the Baltimore Inner Harbor, Source USACE Storm Surge Medicing



# Thank you!

Grace Hansen

Coastal Planner

Grace.Hansen@Baltimorecity.gov

Joanna Birch

Floodplain Manager

Joanna.Birch@Baltimorecity.gov



# Water Connects Us All

Laura Bankey
Vice President of Conservation Programs
Ibankey@aqua.org





## Interpretation





### Education





#### Arts and Culture





### Advocacy and Policy



Comprehensive Bag Reduction Act bill signing, 2020





### **Conservation and Community**













A WATERFRONT PARTNERSHIP INITIATIVE

Adam Lindquist, Vice President Healthy Harbor Initiative



#### Mr. Trash Wheel

Use The Power of Nature to Clean The Harbor









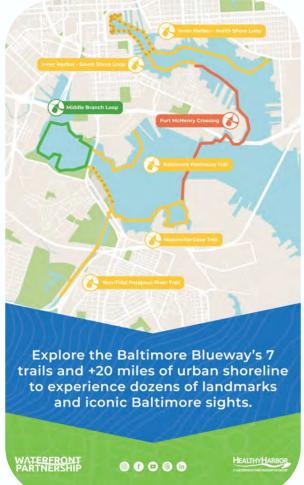
#### **Baltimore Blueway**

Curated water trails highlighting Baltimore's sights, ecosystems, & landmarks









#### The Great Baltimore Oyster Partnership

Engaging volunteers to grow millions of oysters









#### Harbor Scholars

The Harbor as an environmental education resource for city students and teachers.









#### Baltimore Floatilla

A paddling rally for clean and accessible waterways





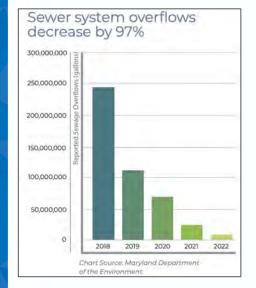




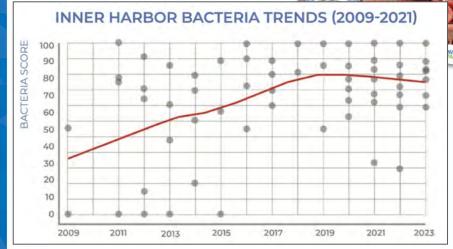
#### **Report Card**

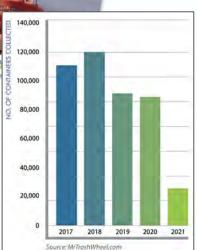
Annually tracking the restoration of the Harbor











#### **Thank You For Your Support!**

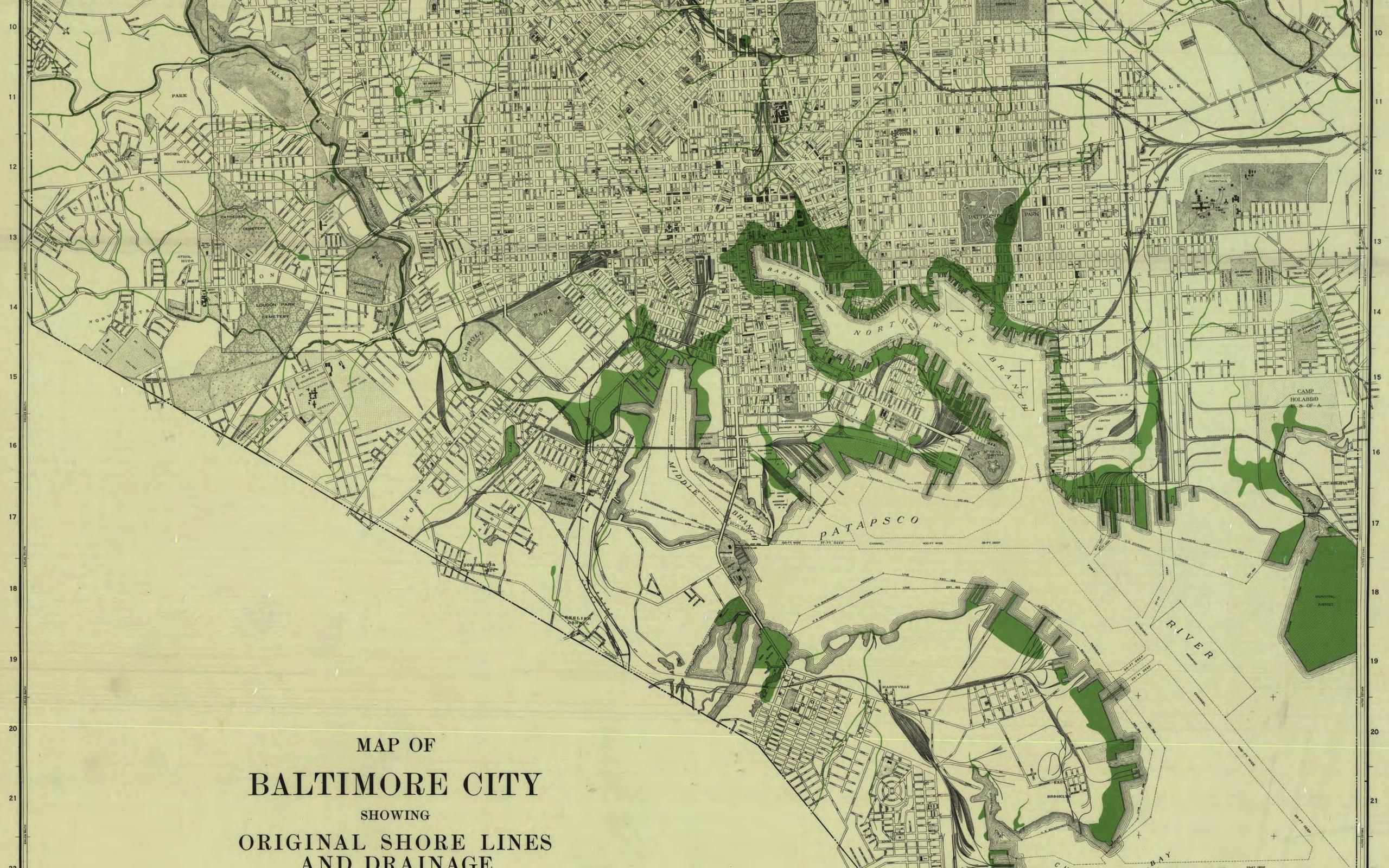
**Questions or Comments?** 

WATERFRONT PARTNERSHIP

# GHOST RIVERS







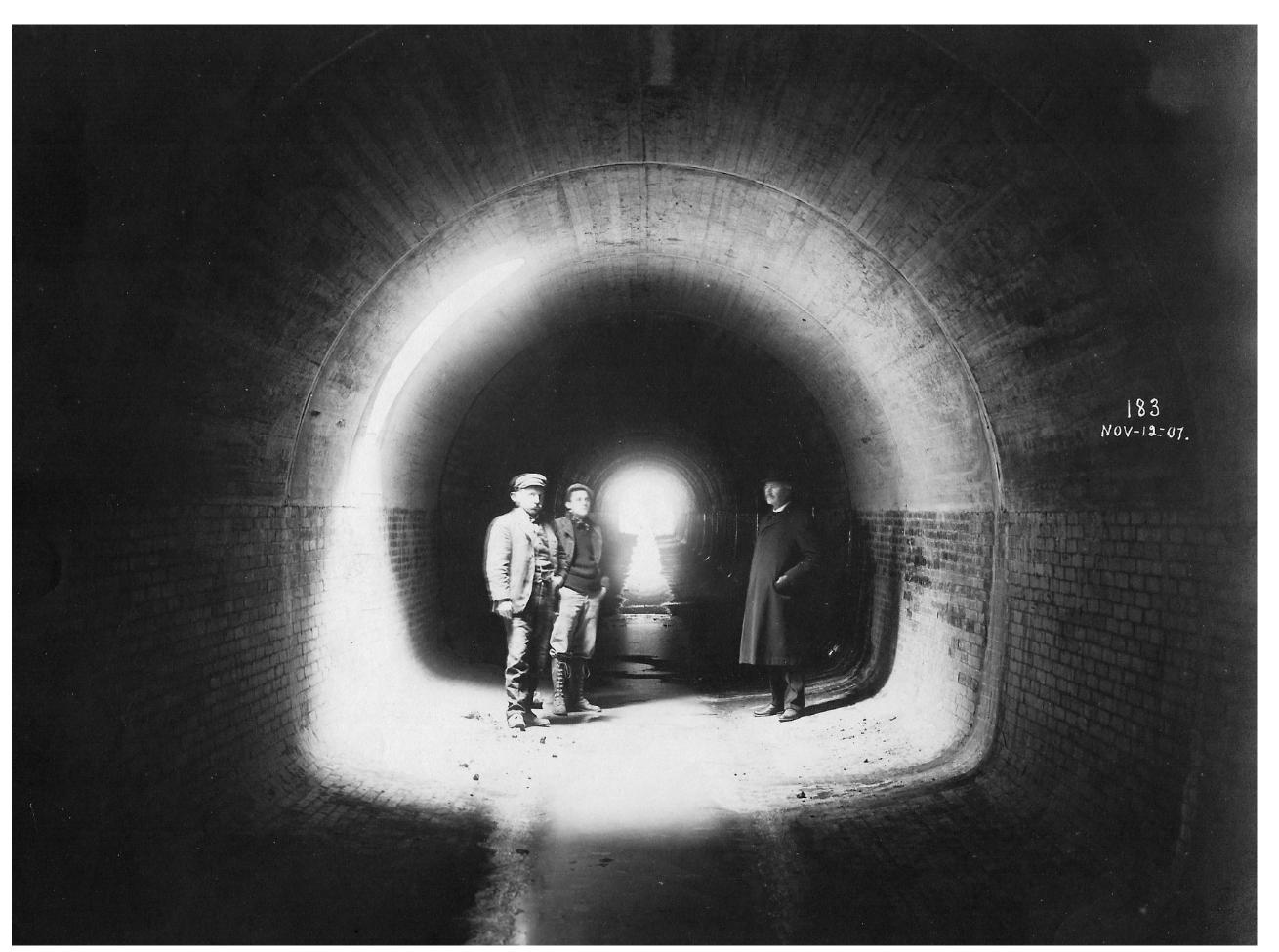


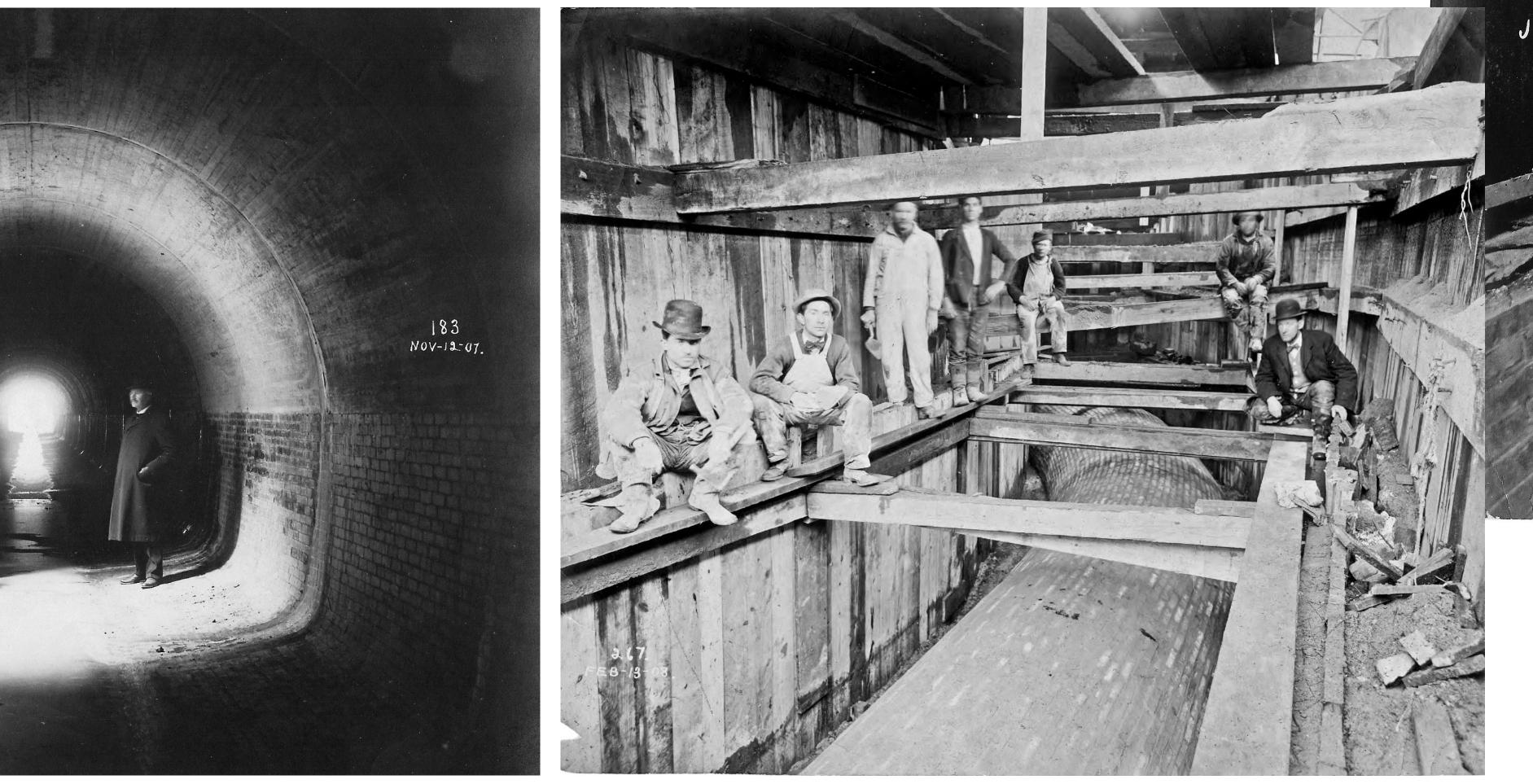










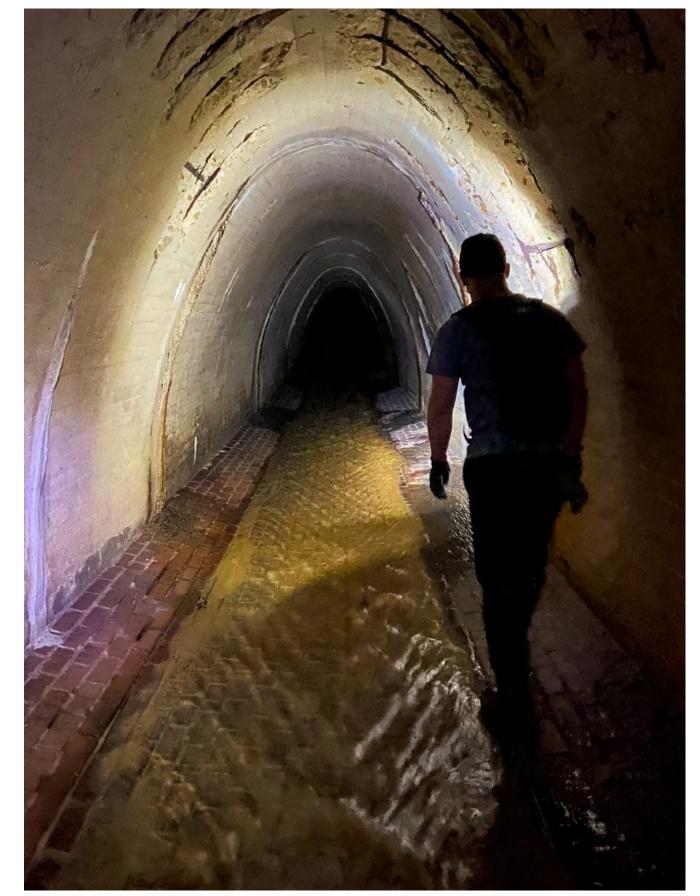


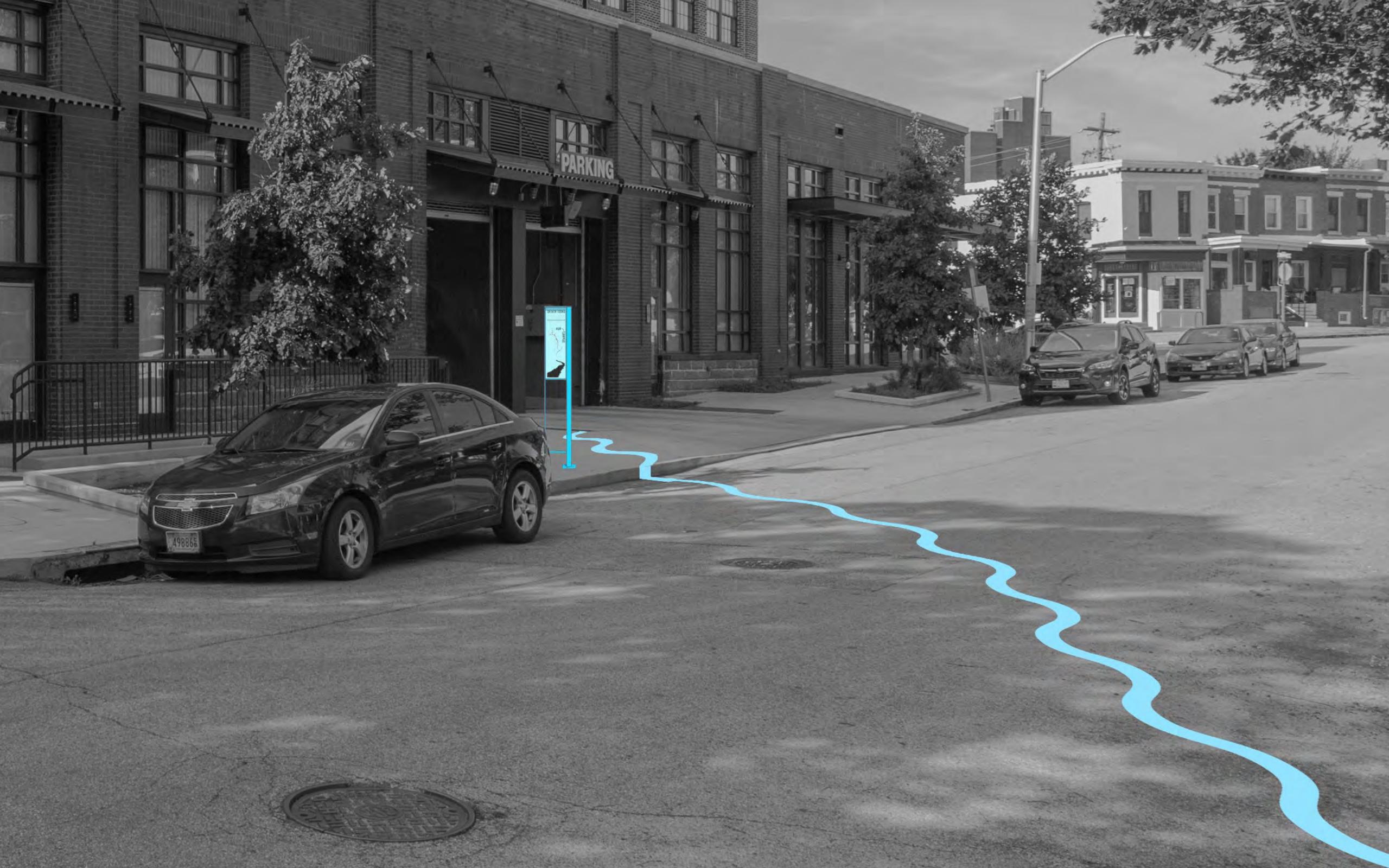


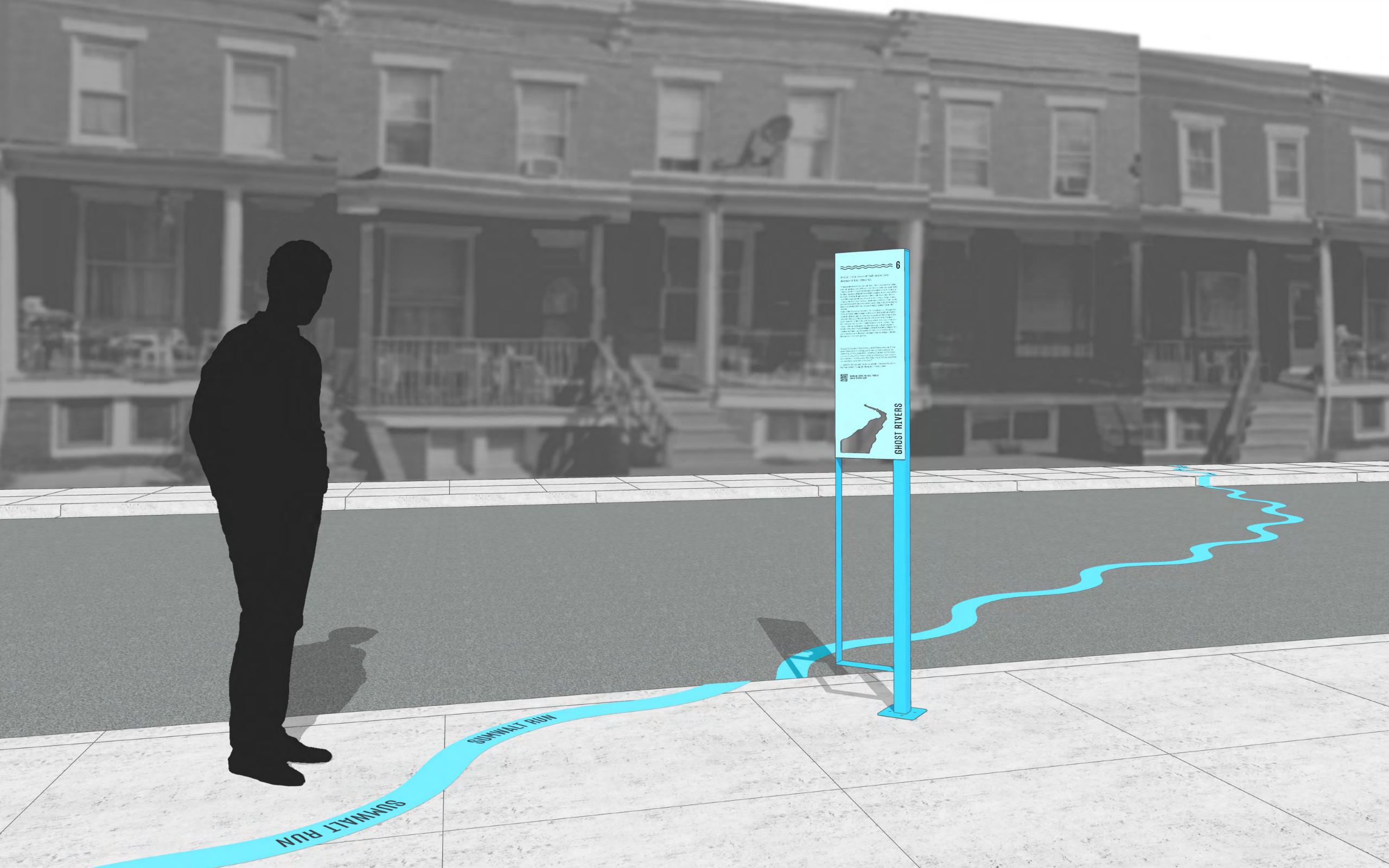


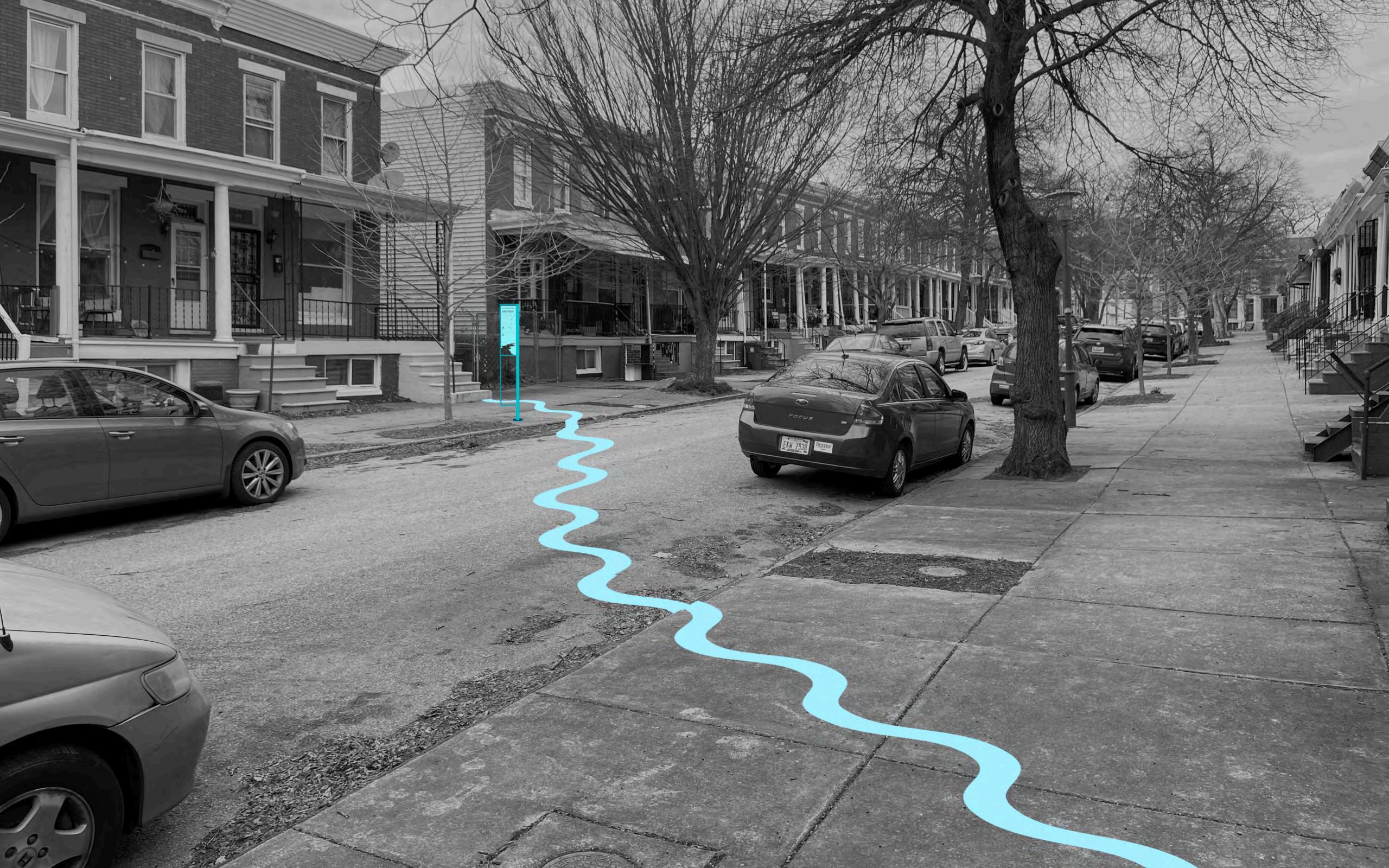




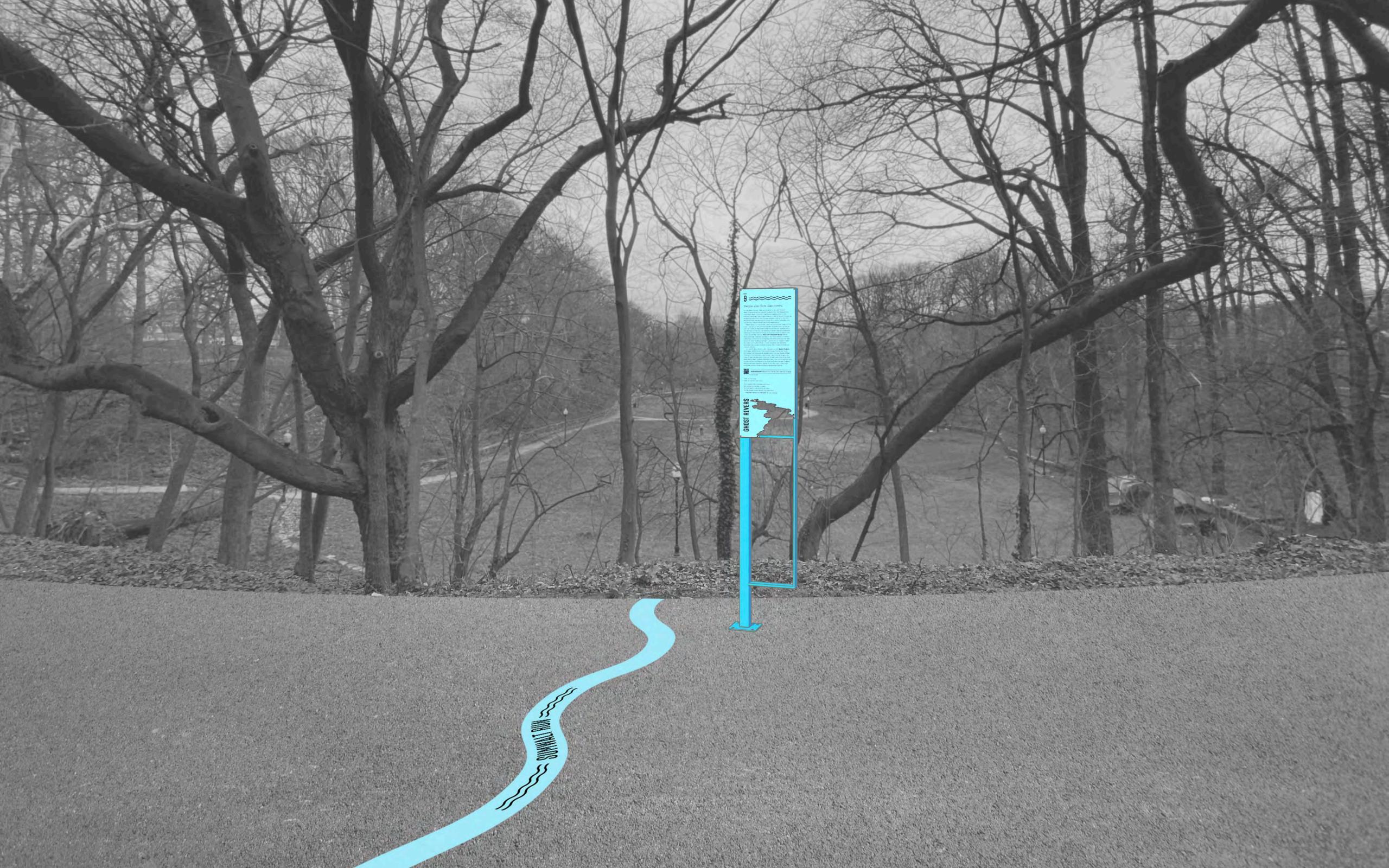


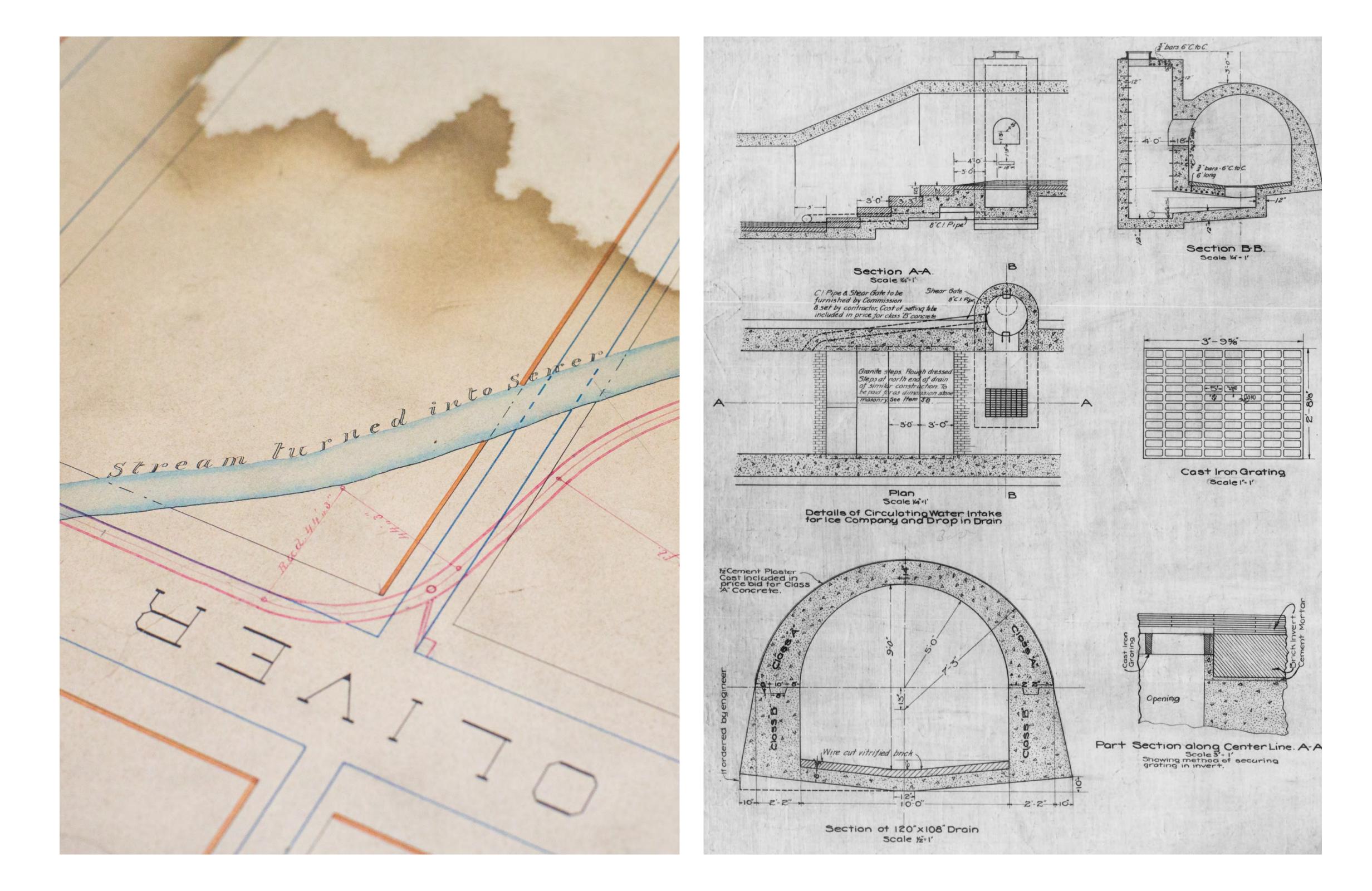


















"[AS TEENAGERS] SOMETIMES WE'D GO DRINKING DOWN HERE BY STONY RUN. AND IF THE COPS CAME, WE'D RUN INTO THE THREE SISTERS [TUNNELS OF STONY RUN] AND COME OUT THE OTHER SIDE AT THE JONES FALLS. THE COPS WERE TOO SCARED TO FOLLOW US IN THERE."

— Charles Krout, Remington resident (interviewed in 2021)



