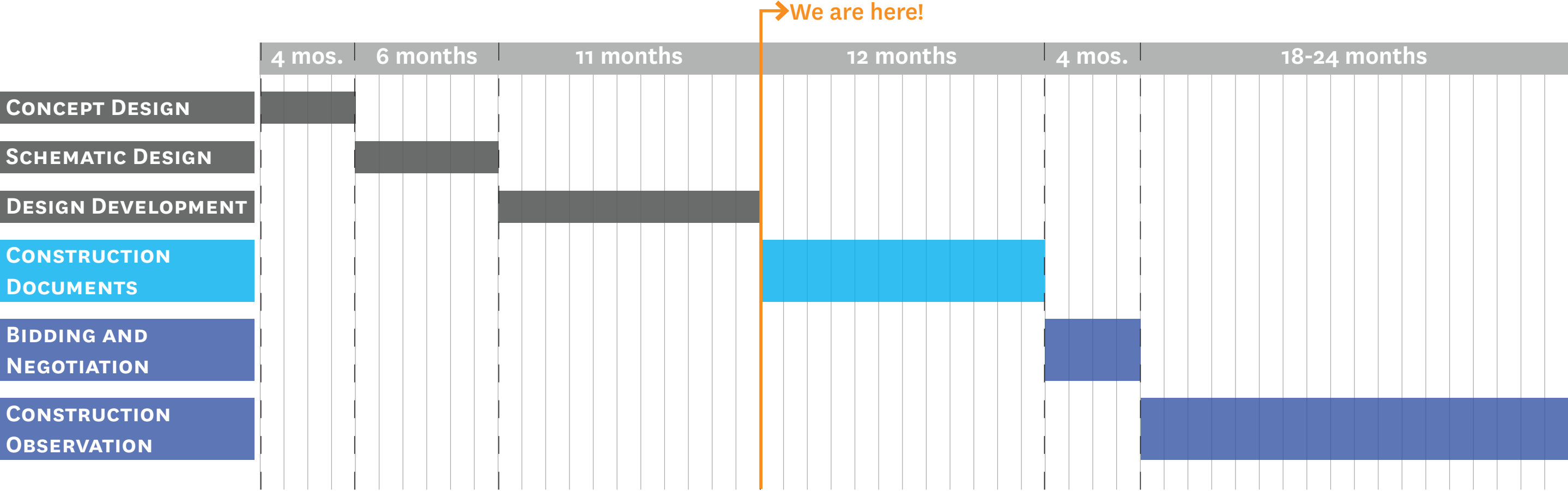


Ralph C. Wilson, Jr. Centennial Park

City of Buffalo | Buffalo Urban Development Corporation

MVVA | 27 January 2021

Project Schedule



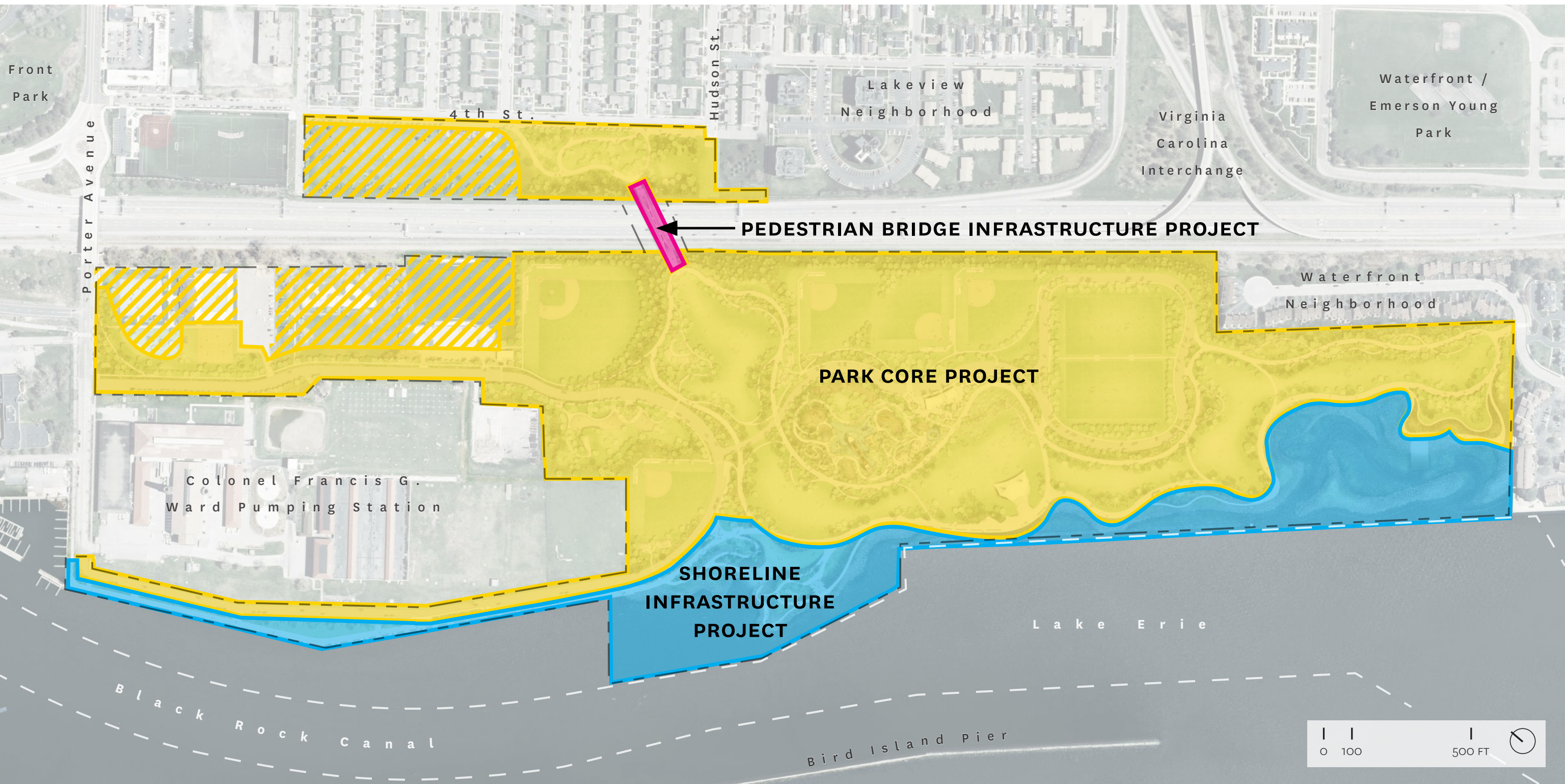
Goals of the Design Development Phase

- 1. Incorporate feedback received from the Client Group, Community, Regulatory Agencies, Funding Partners and Stakeholders.**
- 2. Continue developing the design in collaboration with our team of subconsultants by refining grading, utilities distribution, materiality and layout, soils design, planting palette and furnishings.**
- 3. Advance the design of the shoreline through hydrological modeling to ensure resiliency, flood protection, ecological uplift, and enhanced experience.**
- 4. Advance the design of the Play Garden by coordinating with play equipment designers and manufacturers.**
- 5. Prepare documents for cost estimating and Agency review.**

100% Design Development Scheme



Ralph C. Wilson Jr. Centennial Park - Projects



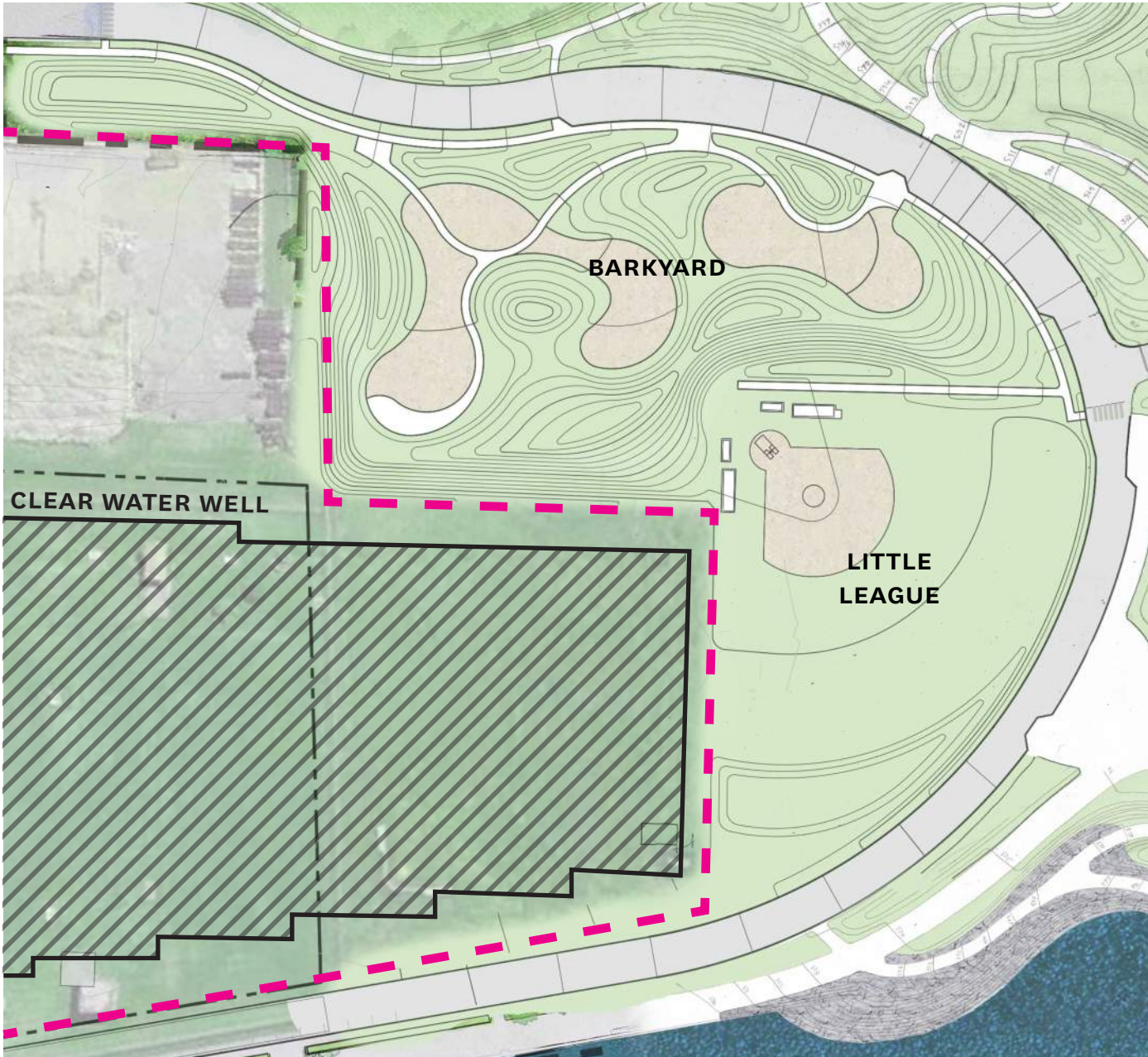
100% Design Development Scheme



Design Adjustments Over Clear Water Well



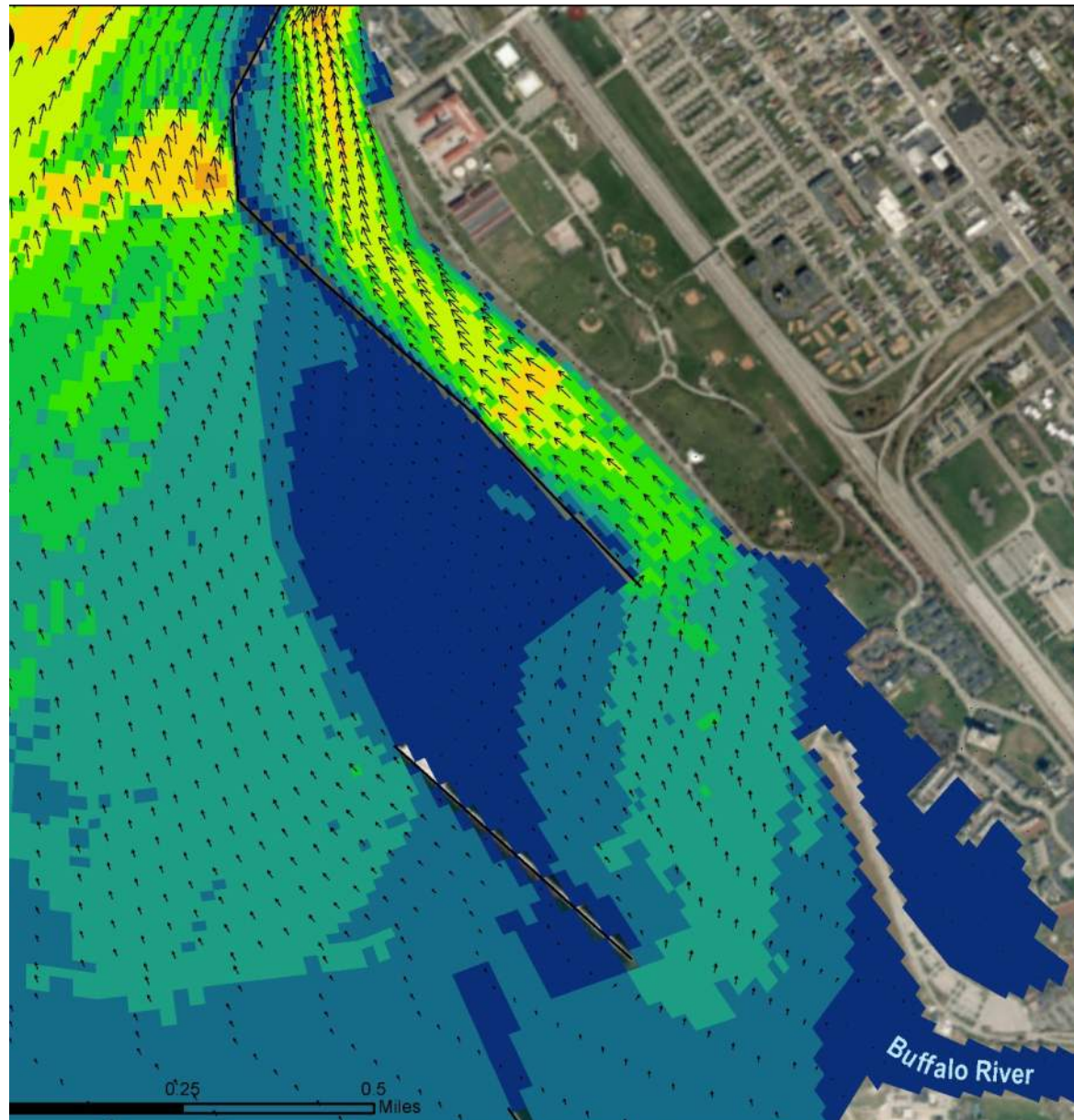
50% DD



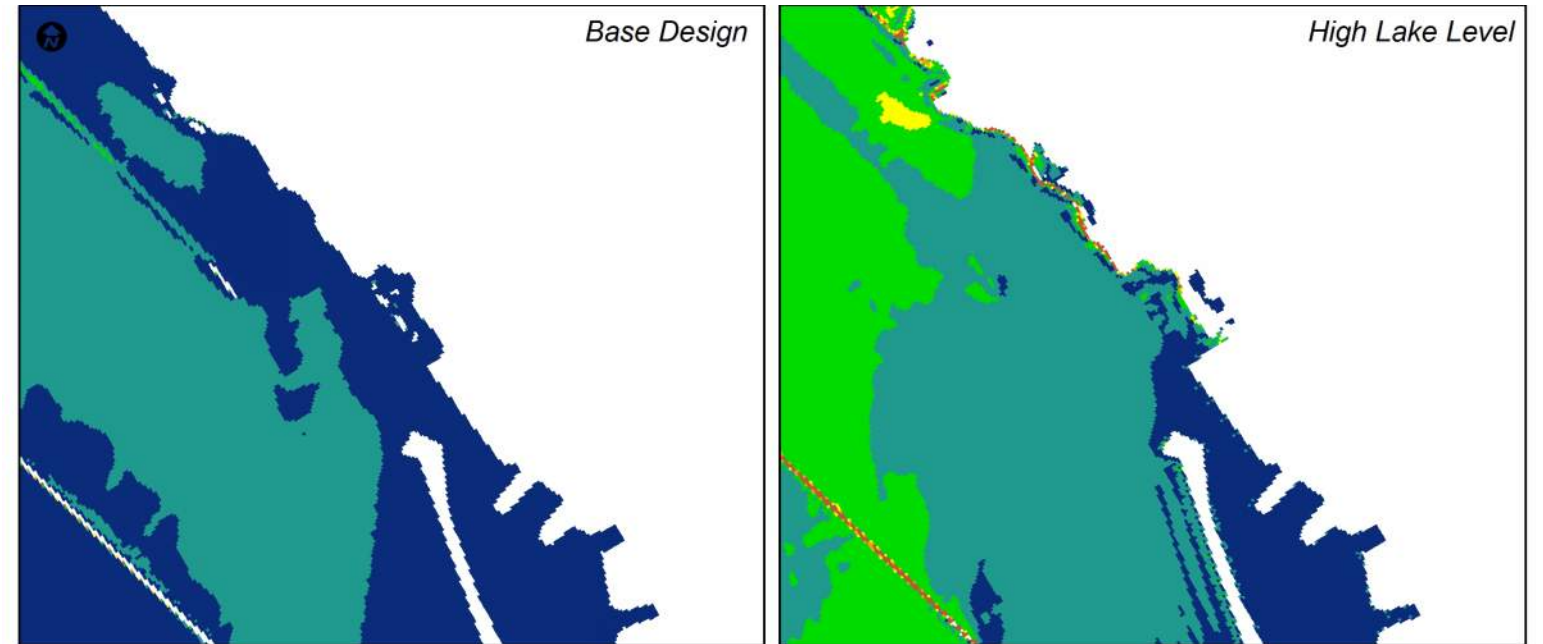
Updated

Hydrological Modeling Methods

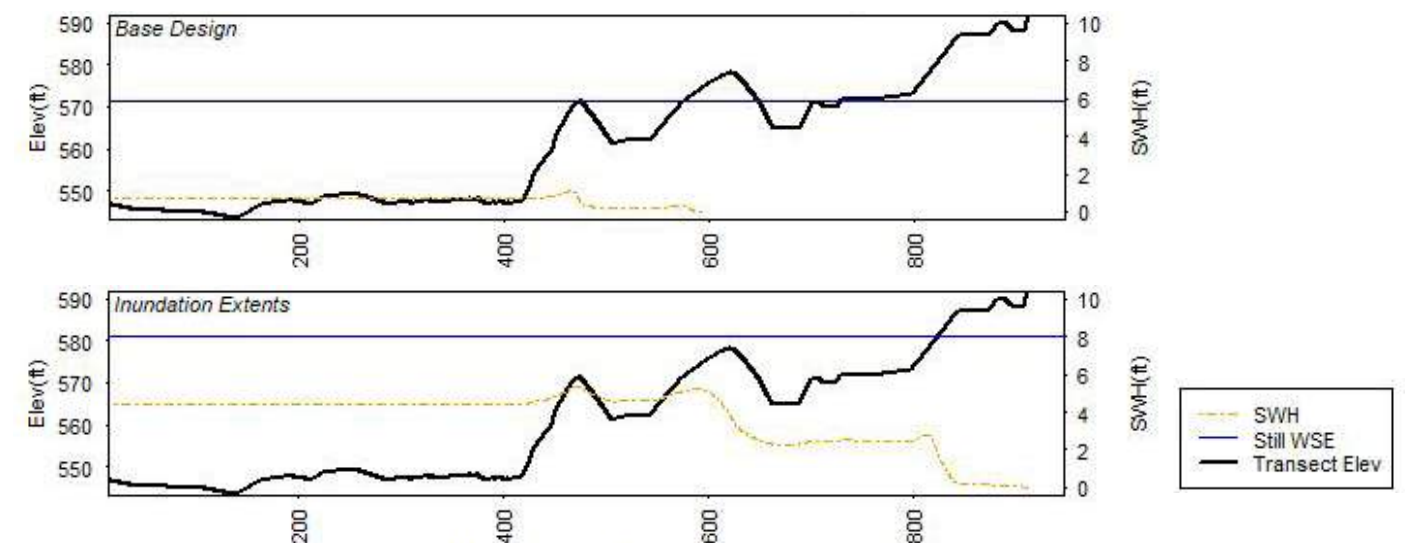
Environmental Fluid Dynamics Code (EFDC)



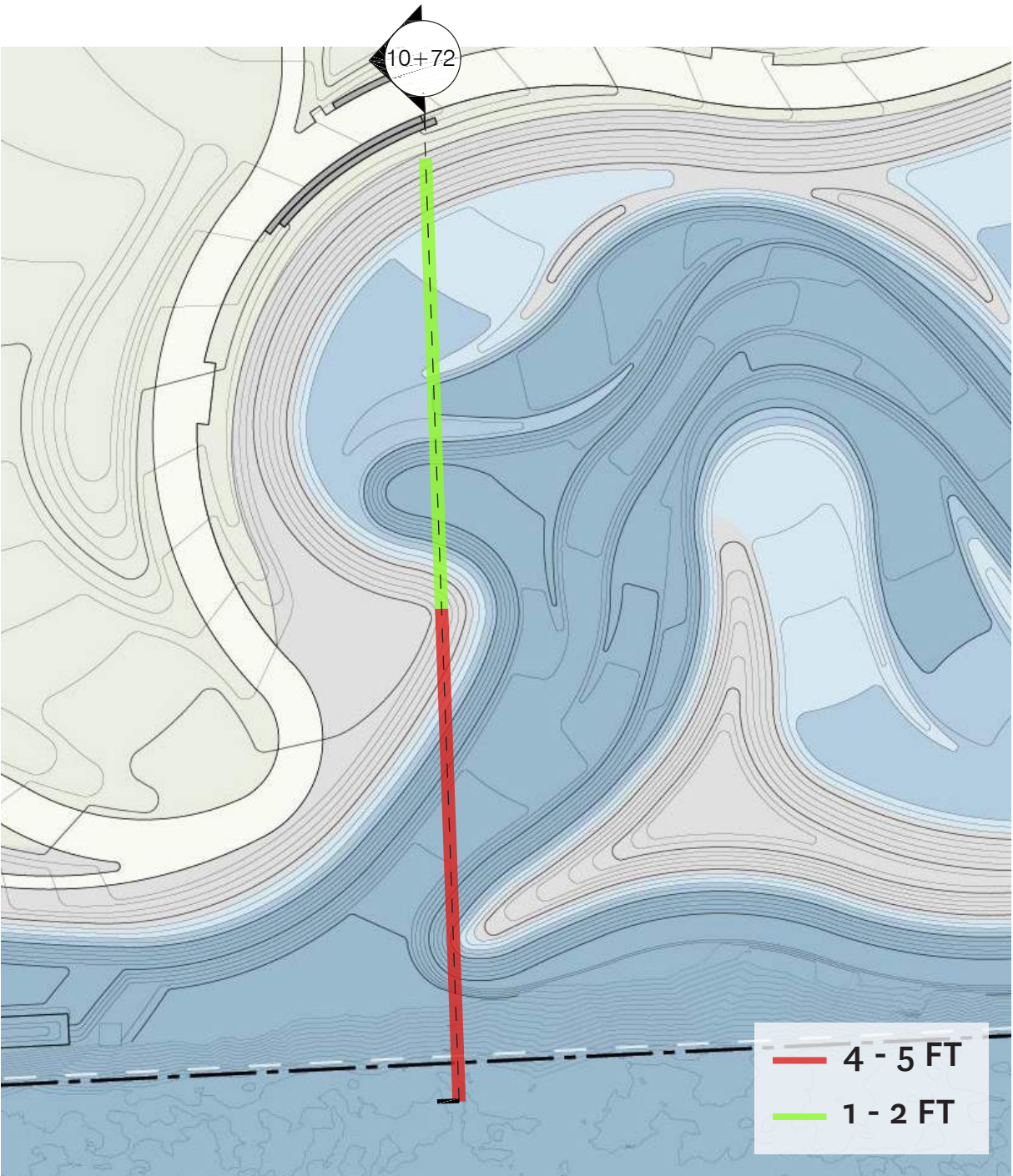
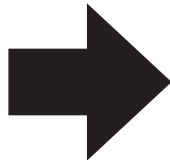
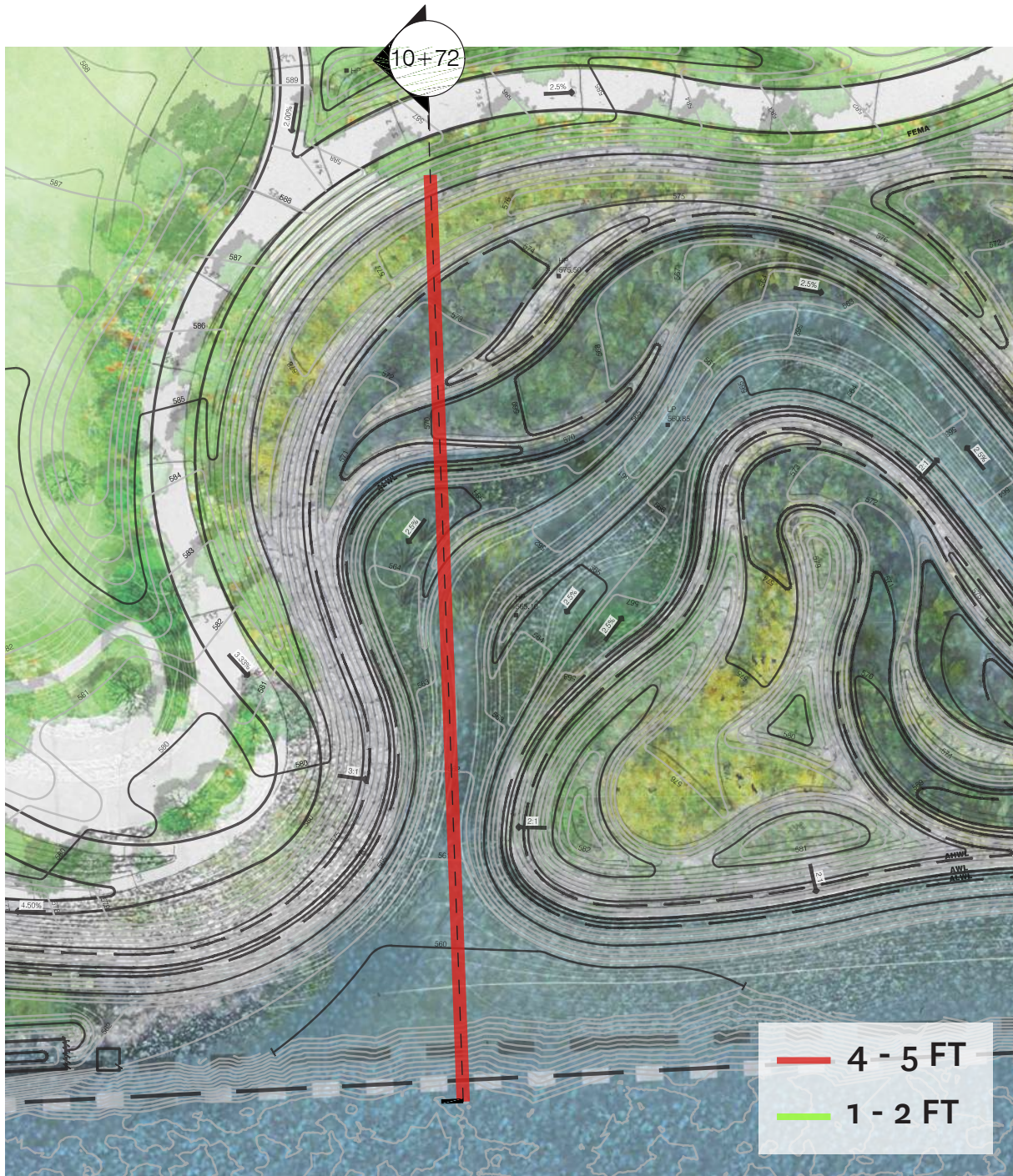
Simulating WAVes till SHore (SWASH)



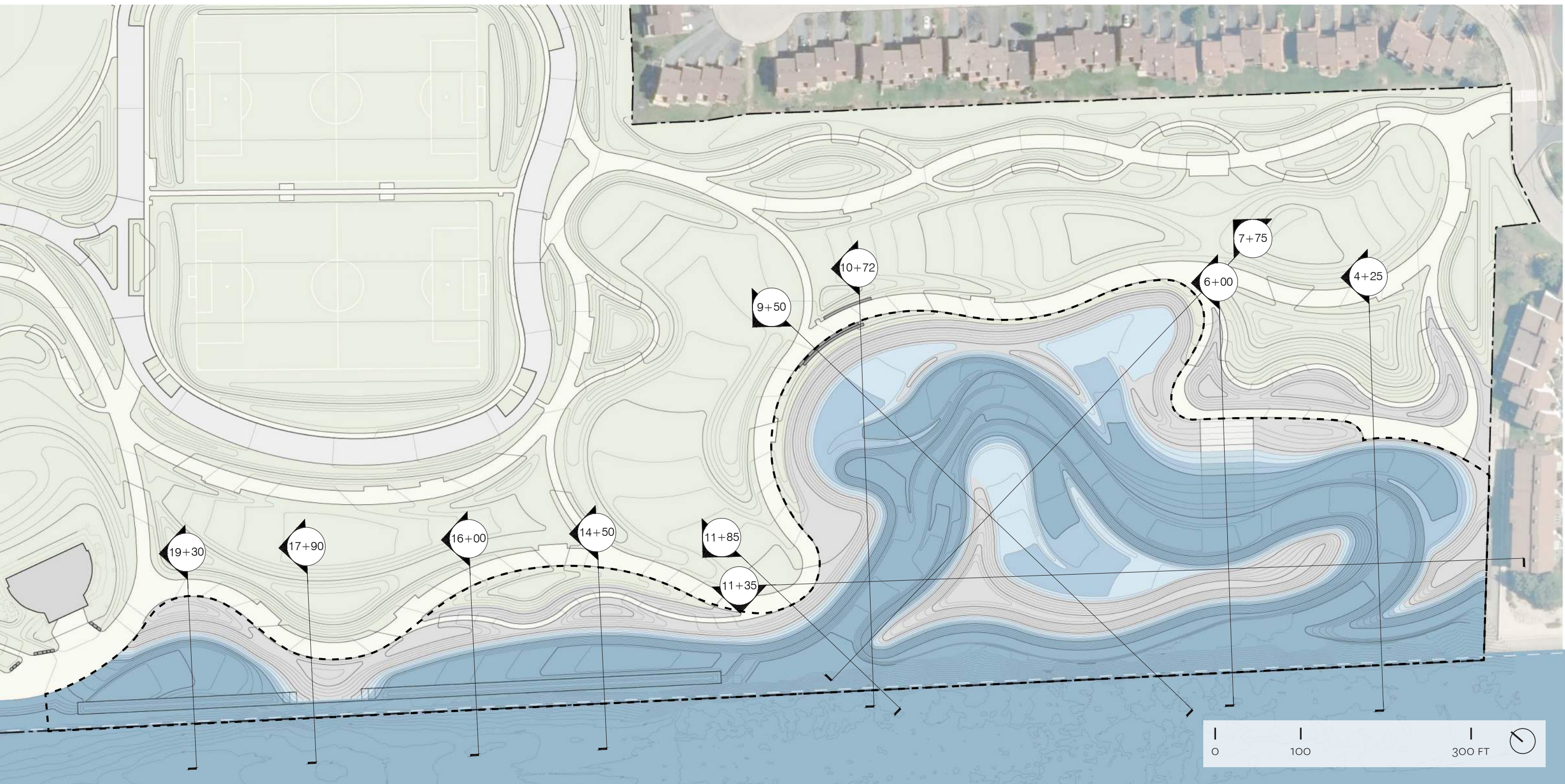
Cross-shore (C-SHORE)



Design Adjustment based on C-SHORE Modeling Results (10+72)



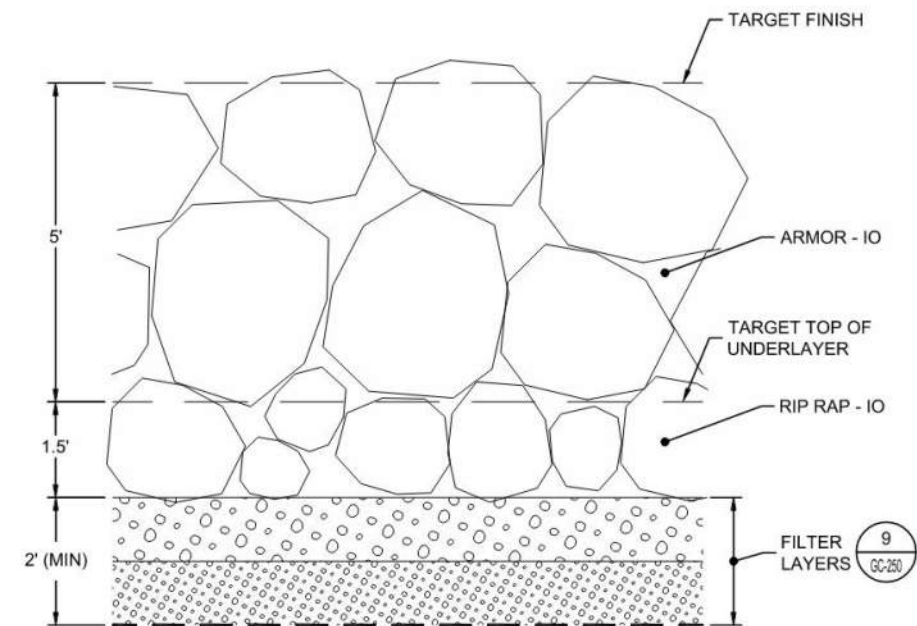
100% DD Inlet Design - Section Alignments



C-SHORE Modeling: Significant Wave Height at High Lake Level Design

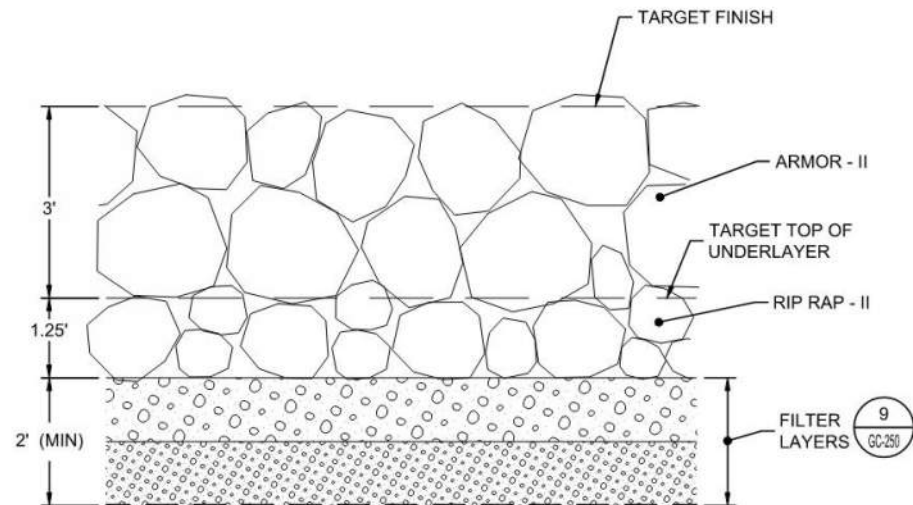


Armoring Profiles



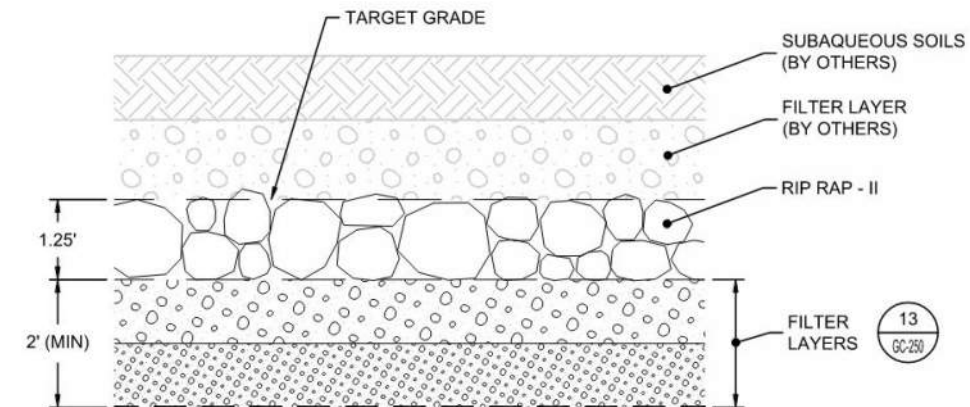
19
GC-210

DETAIL
A-IO - ARMORING FOR INLET ISLAND
OUTBOARD SLOPE
SCALE: 1" = 2'



17
GC-210

DETAIL
A-II ARMORING PROFILE
SCALE: 1" = 2'

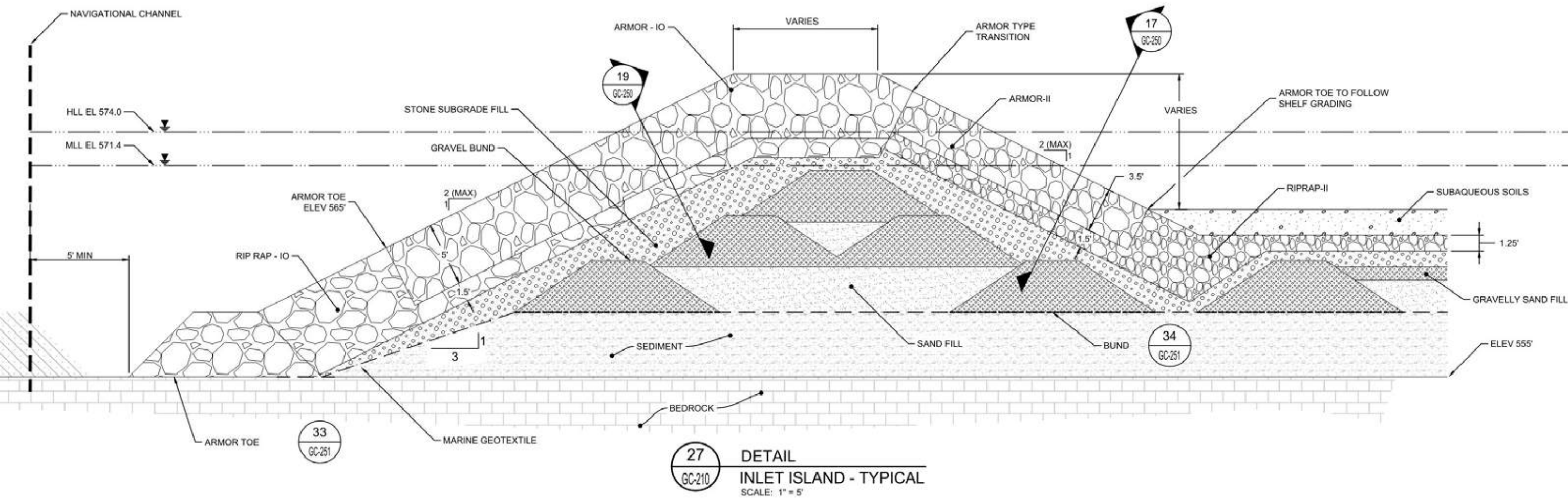


14
GC-210

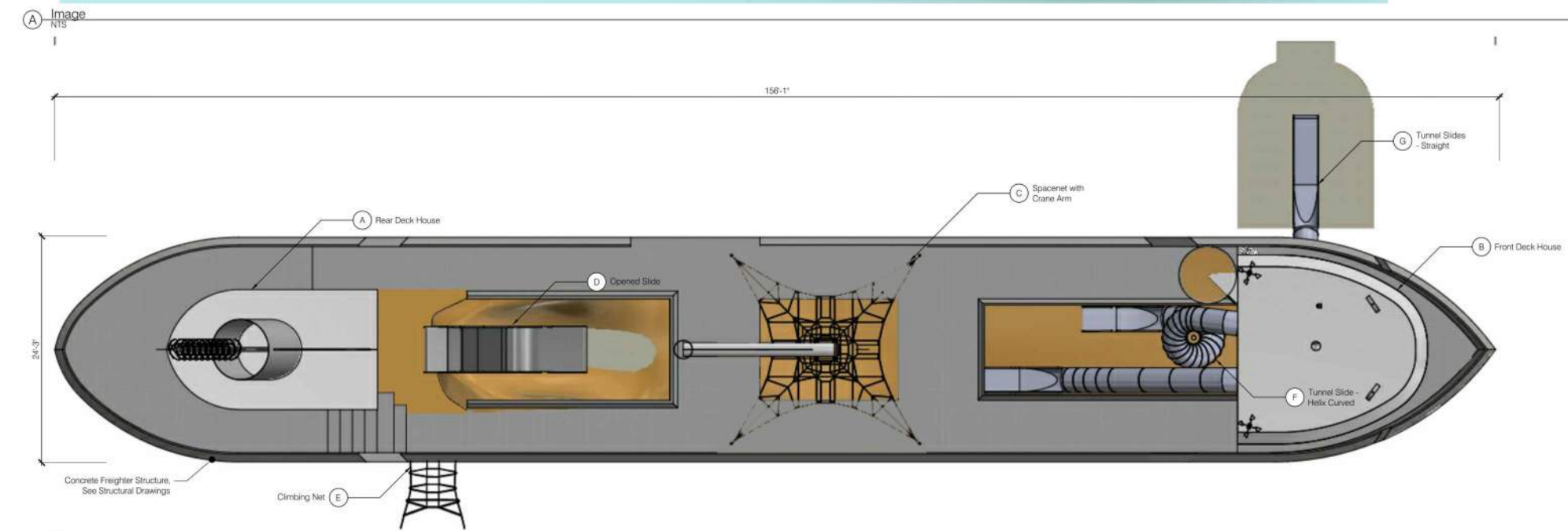
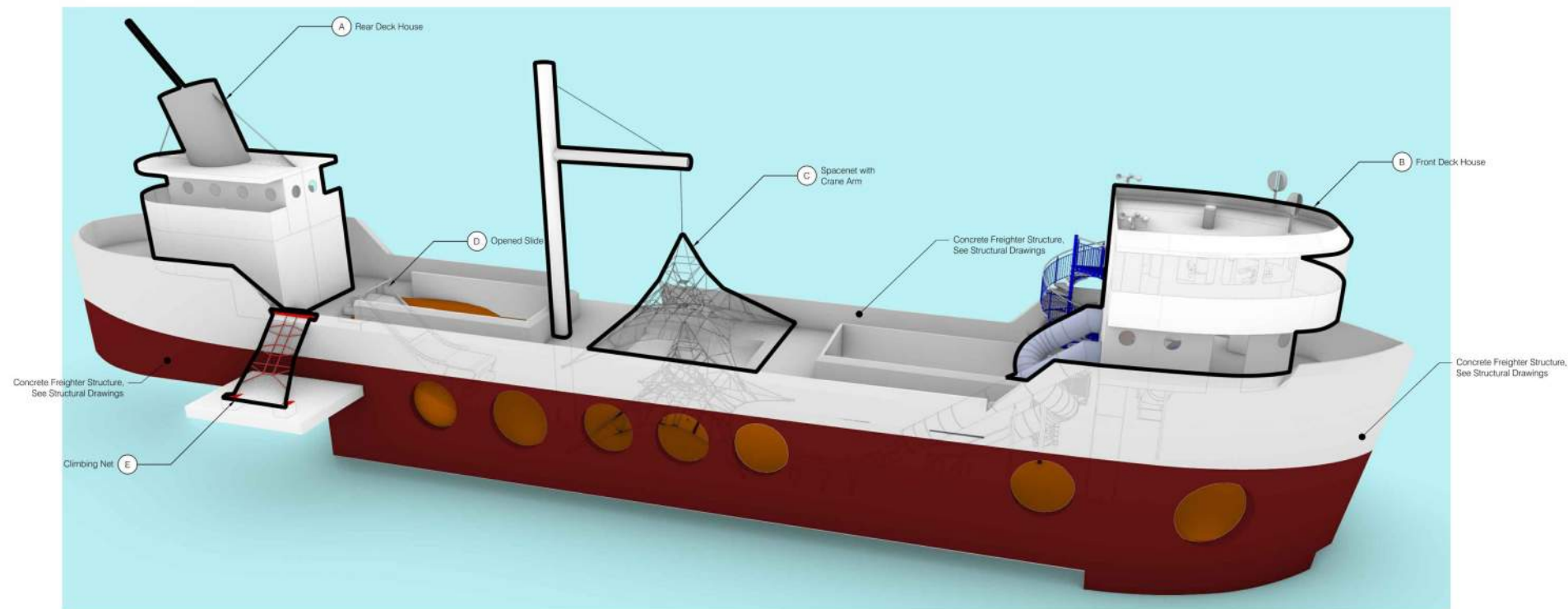
DETAIL
B-II - BEDDING FOR INLET
SCALE: 1"=2'

***NOTE:** See Marine Engineering Drawings in the 100% DD Drawings Set for All Armoring Profiles

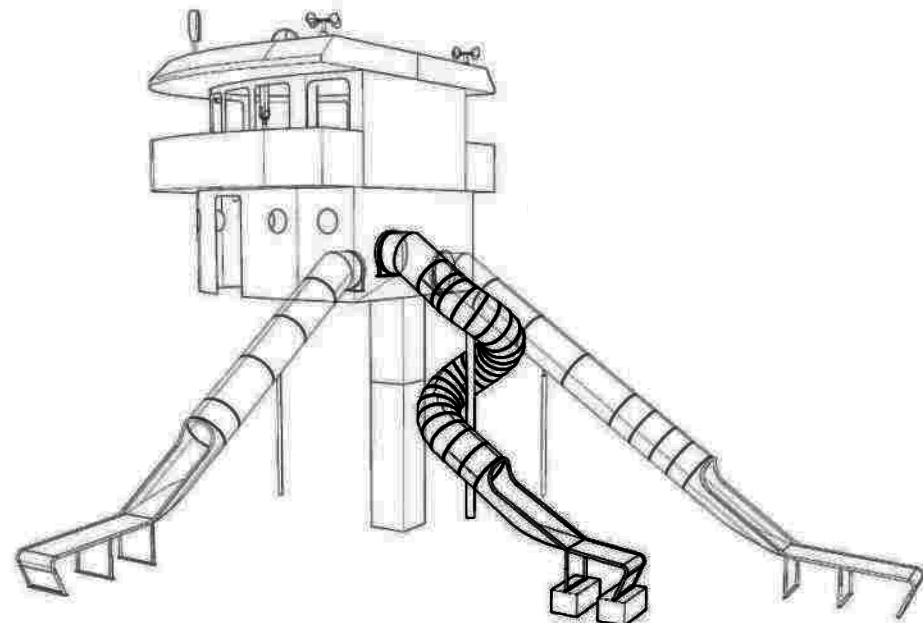
Armoring Detail - Inlet Island



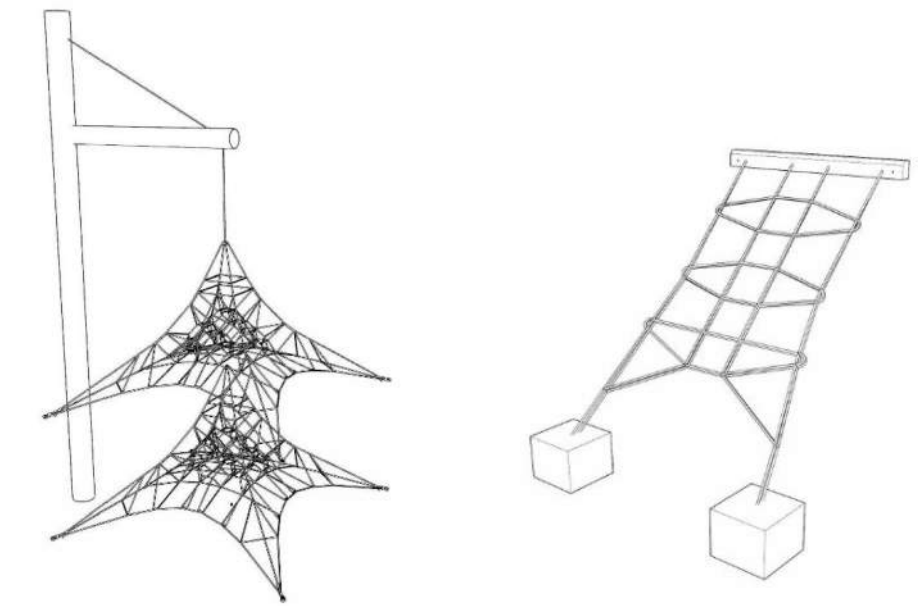
Custom-designed Play Equipment



B Plan
Scale: 3/16"=1'-0"
1 Freighter
Scale: As Noted



F Tunnel Slide - Helix Curved



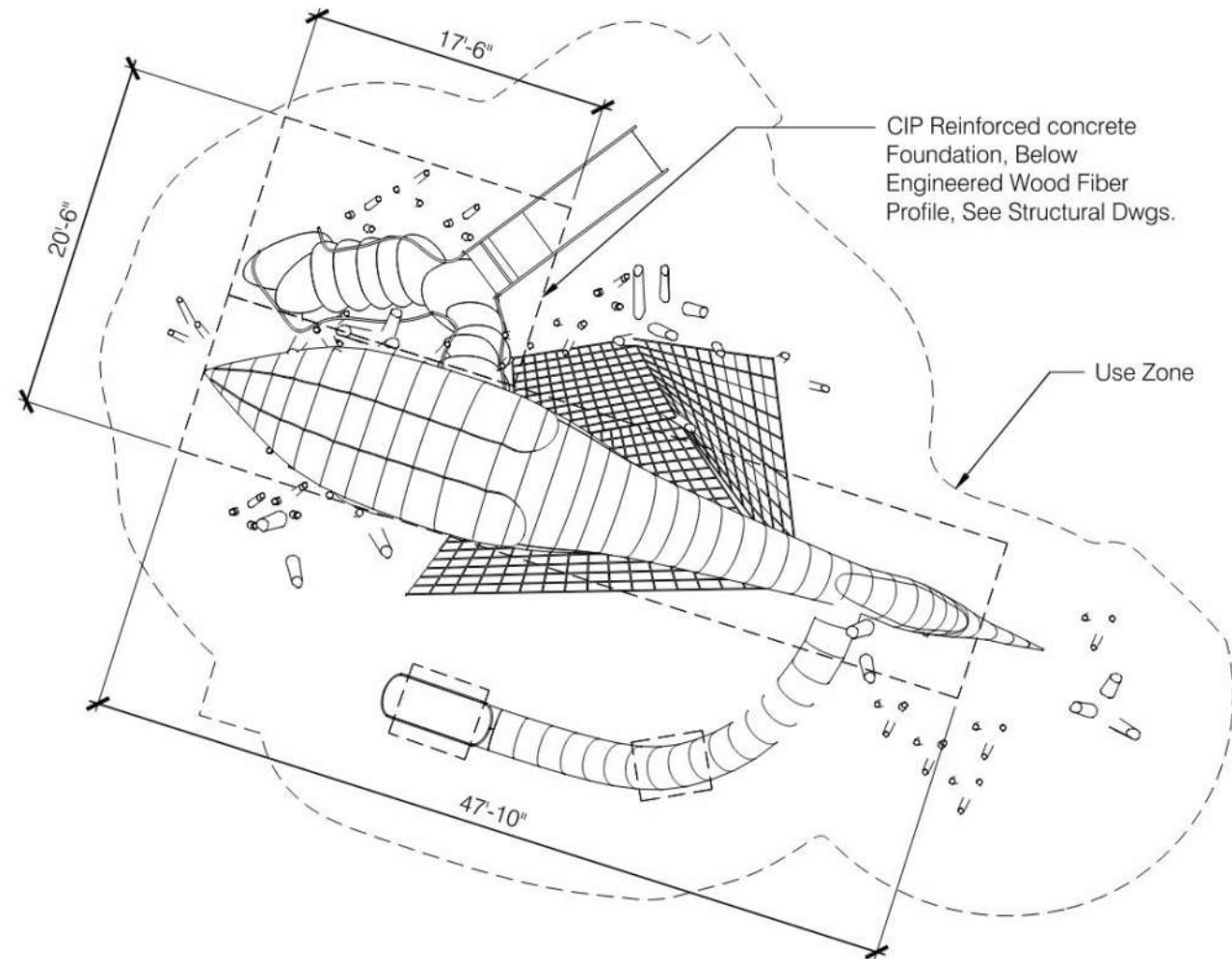
C Spacenet with Crane Arm
E Climbing Net

Custom-designed Play Equipment

NOTES:

1. Product Name:
"Least Bittern" Play Structure
2. Manufacturer:
MONSTRUM
Engager 3
2605 Brøndby
Denmark
Phone: +45 3322 1077
www.monstrum.dk

Quantity: 1
Fall Height: 10'-0"
Age Range: 5-12 Years



A Plan
Scale: 1/8" = 1'-0"

B Image
NTS

3 Least Bittern

100% Design Development Submission

