EPA update on the Former First Street Turning Basin and RTA2 100% Design

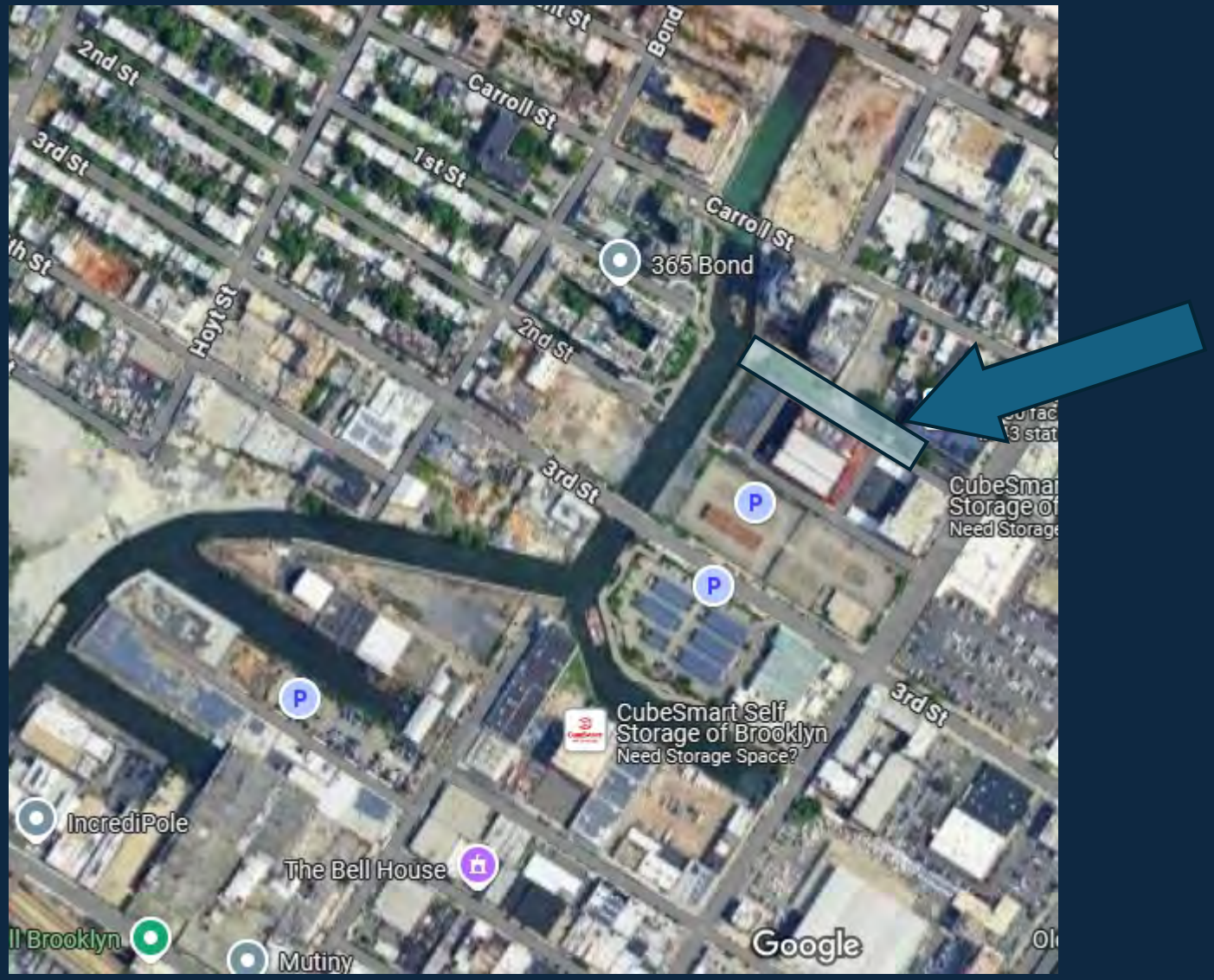
April 22, 2025

Victoria Sacks, EPA Project Manager

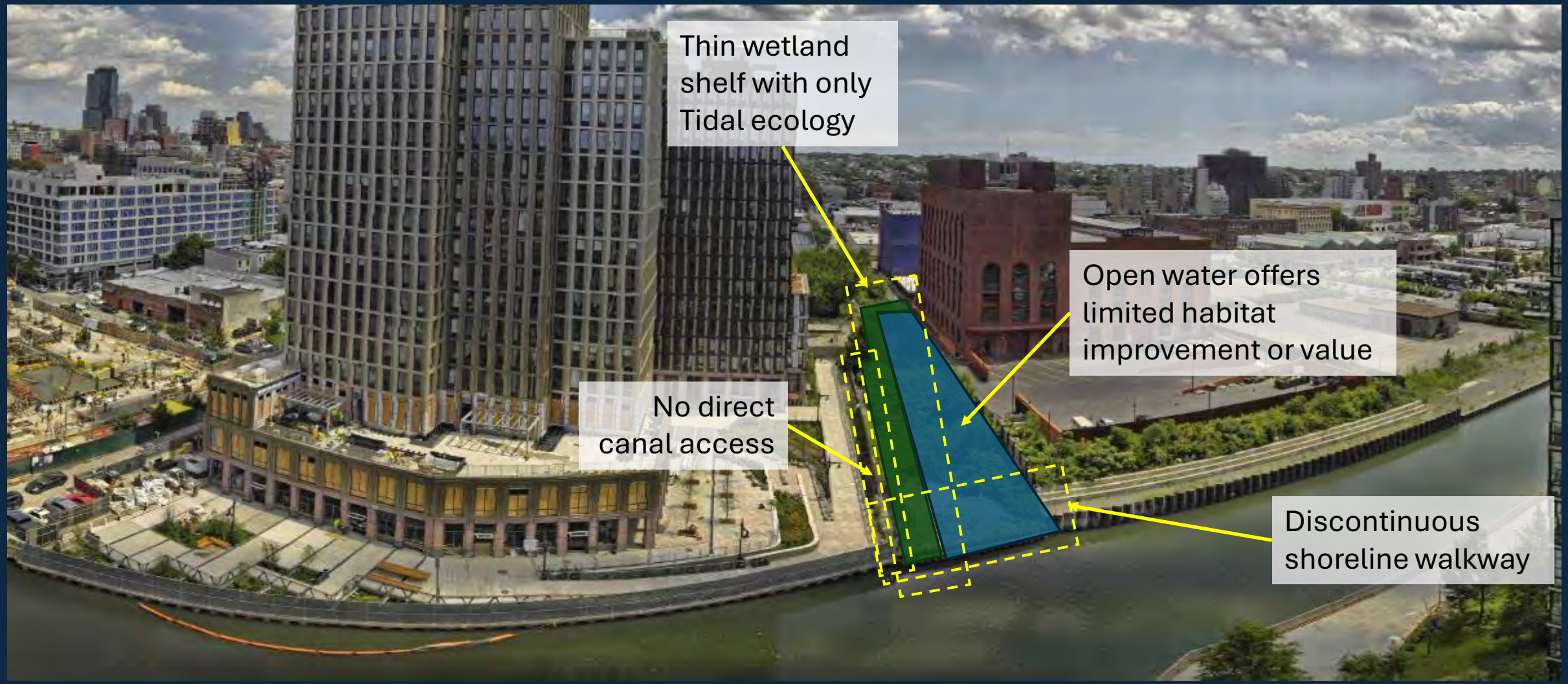
Former First Street Turning Basin

Turning Basin 1 : TB1 : First Street Turning Basin

- Excavation and restoration of approximately 475 feet of the filled-in former 1st St turning basin (ROD, 2013)
- EPA and the Trust have been re-evaluating the 2019 design to deliver a TB that better integrates with community interests while still meeting cleanup goals



2019 Design


Thin wetland shelf with only Tidal ecology
Open water offers limited habitat improvement or value
No direct canal access
Discontinuous shoreline walkway

TB1 Concept Rendering

Items outside of the remedy are shown for illustrative purposes only

TB1 Concept Rendering – From Canal

Items outside of the remedy are shown for illustrative purposes only

TB1 Concept Rendering – From Land

Items outside of the remedy are shown for illustrative purposes only

TB1 Concept Rendering – Aerial

Items outside of the remedy are shown for illustrative purposes only

Benefits of the TB1 Design

- Potential features
  - Uninterrupted canal access via shoreline walkway
  - Kayak launch access point
  - Communal/education space
  - Diverse ecological habitat
  - More integrated landscape with surrounding properties
- Reduced construction schedule
- Overall TB1 schedule can be maintained
- Reduces project risk (constructability, schedule, safety)

Progress and Path Forward

- Trust recently completed a pre-design investigation in March/April 2025
- Trust to submit 65% design to EPA in second half of 2025
- Start of construction targeted for late 2026/early 2027
- Tentatively estimating construction completion in second half of 2028

RTA2 Remedial Design Update

April 2025

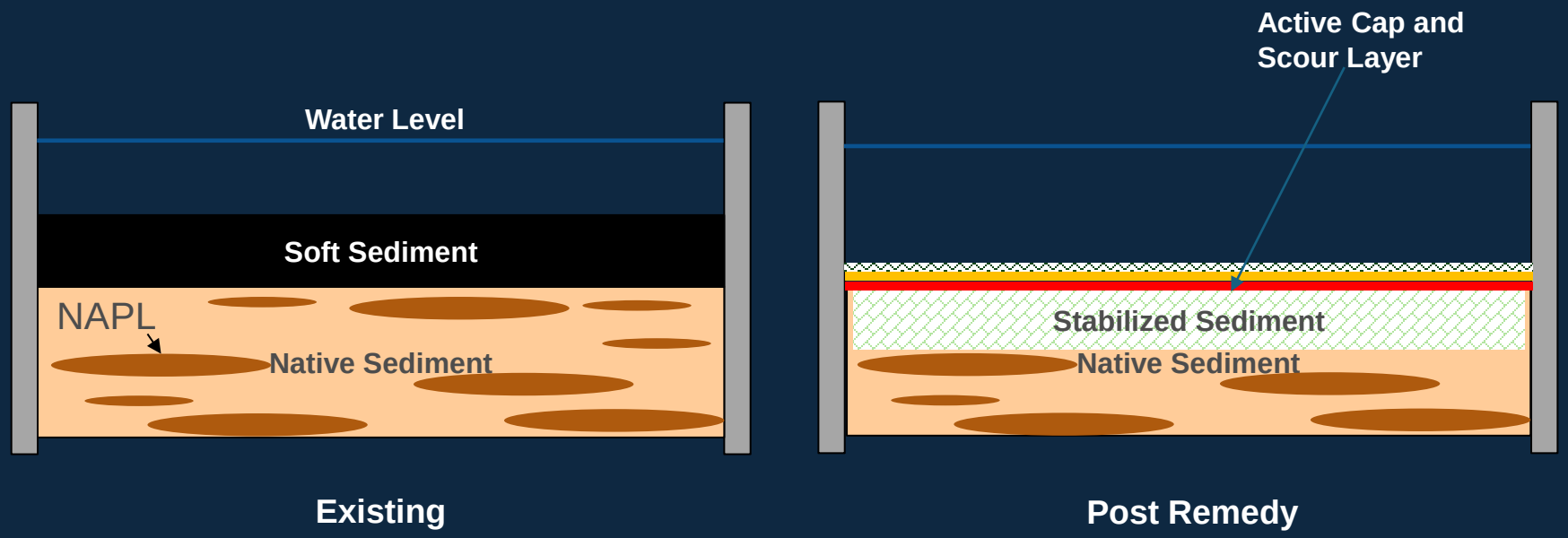
RTA2 Design Limits

RTA2 100% Remedial Design

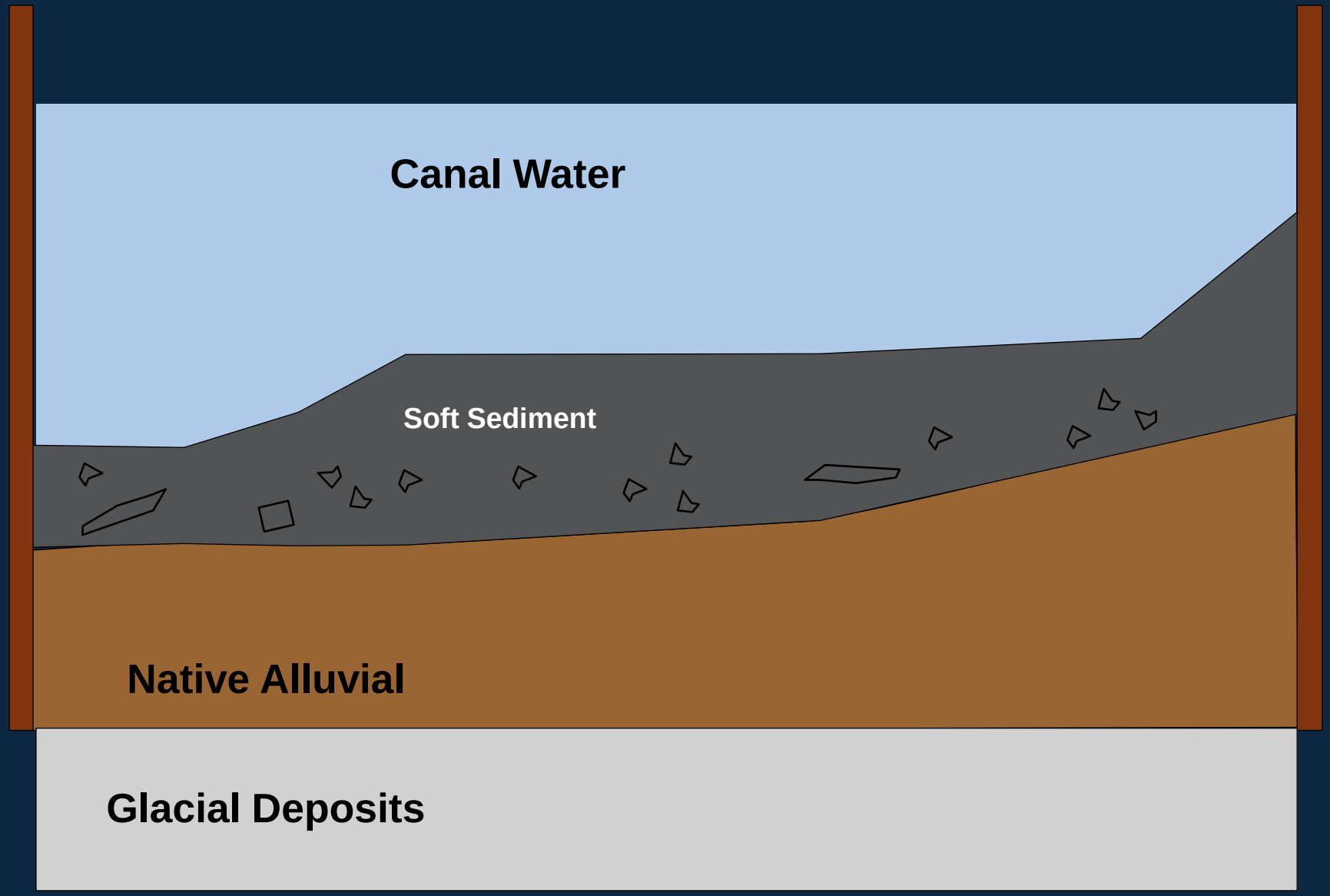
- The Trust and EPA have reached consensus on all outstanding EPA comments on the draft RTA2 100% Remedial Design
- The Trust is now in the process of finalizing the design with a target submission of the final design to EPA in mid May 2025
- As required in RTA1, the RTA2 design includes dredging of soft sediment, in situ stabilization of native sediment, and placement of a reactive cap followed by an armoring layer
- The Trust's installation of bulkhead supports in RTA2, necessary to support the remedy, is ongoing and is expected to be completed by the end of 2026

Canal Remedy Overview

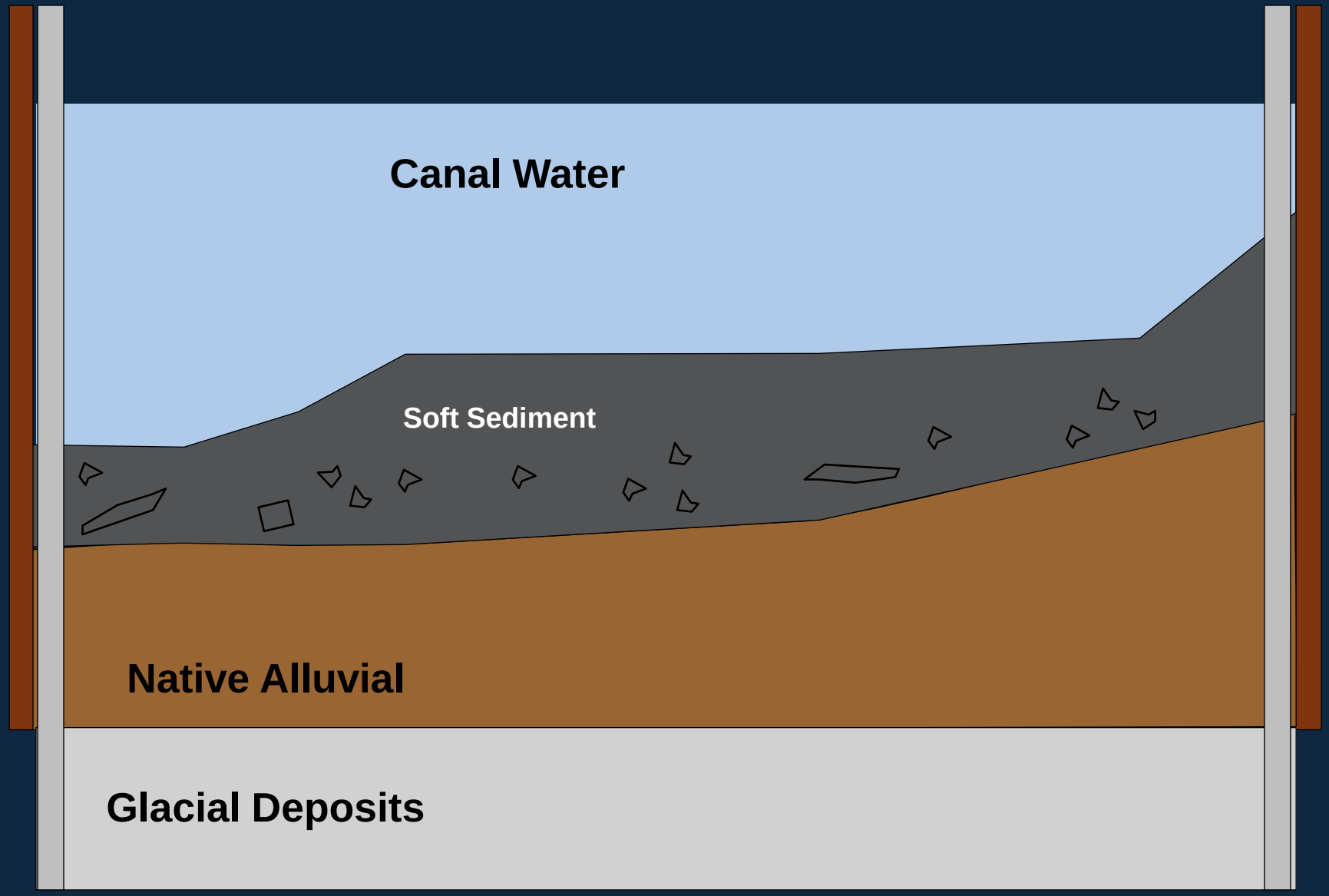
- Selected Remedy Summary
  - Soft sediment removal
  - ISS 3 to 5 feet of native sediment in select areas in RTA2
  - Multi-layered active cap placement
  - Scour protection



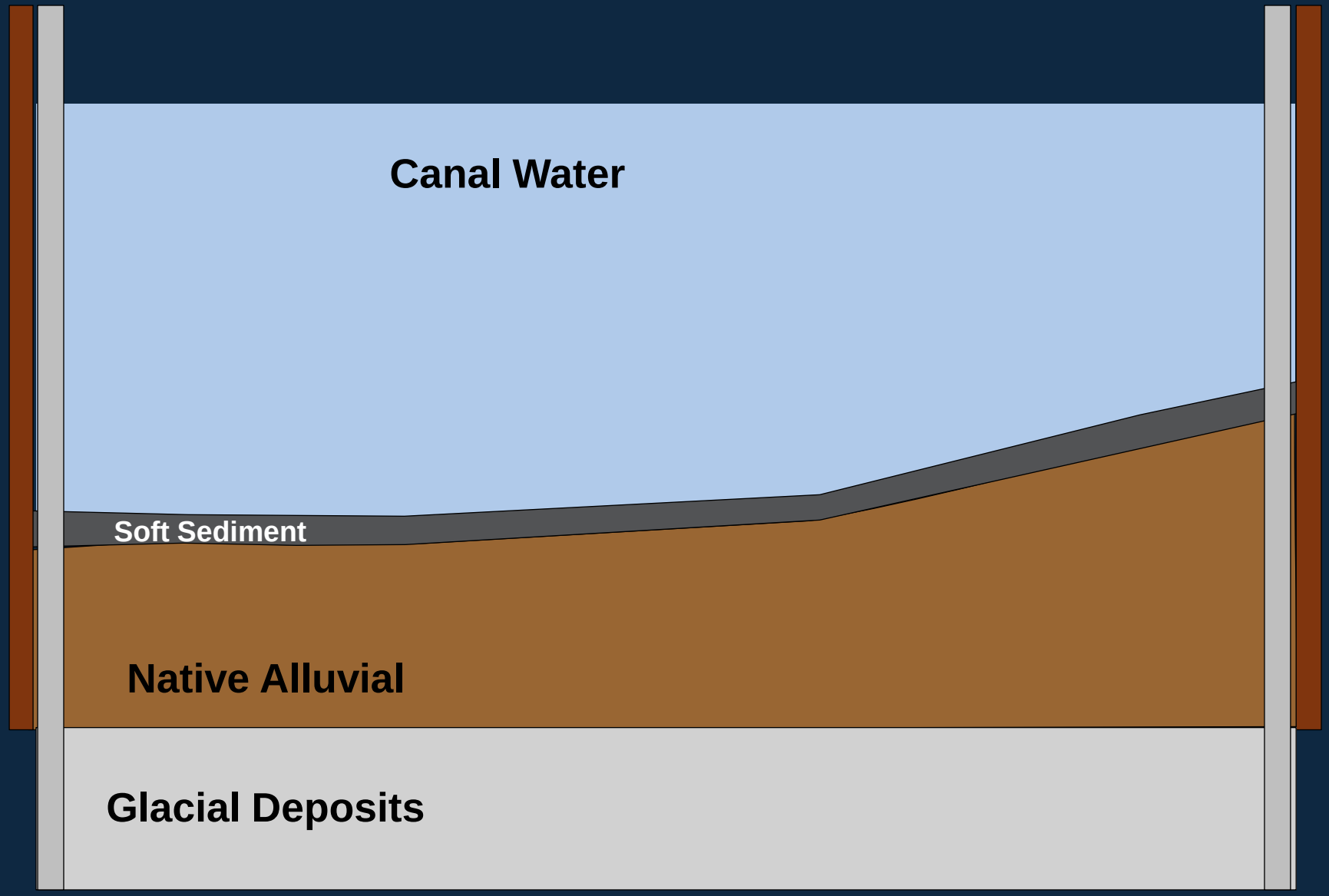
General Remedy Sequence (Pre-remedy)



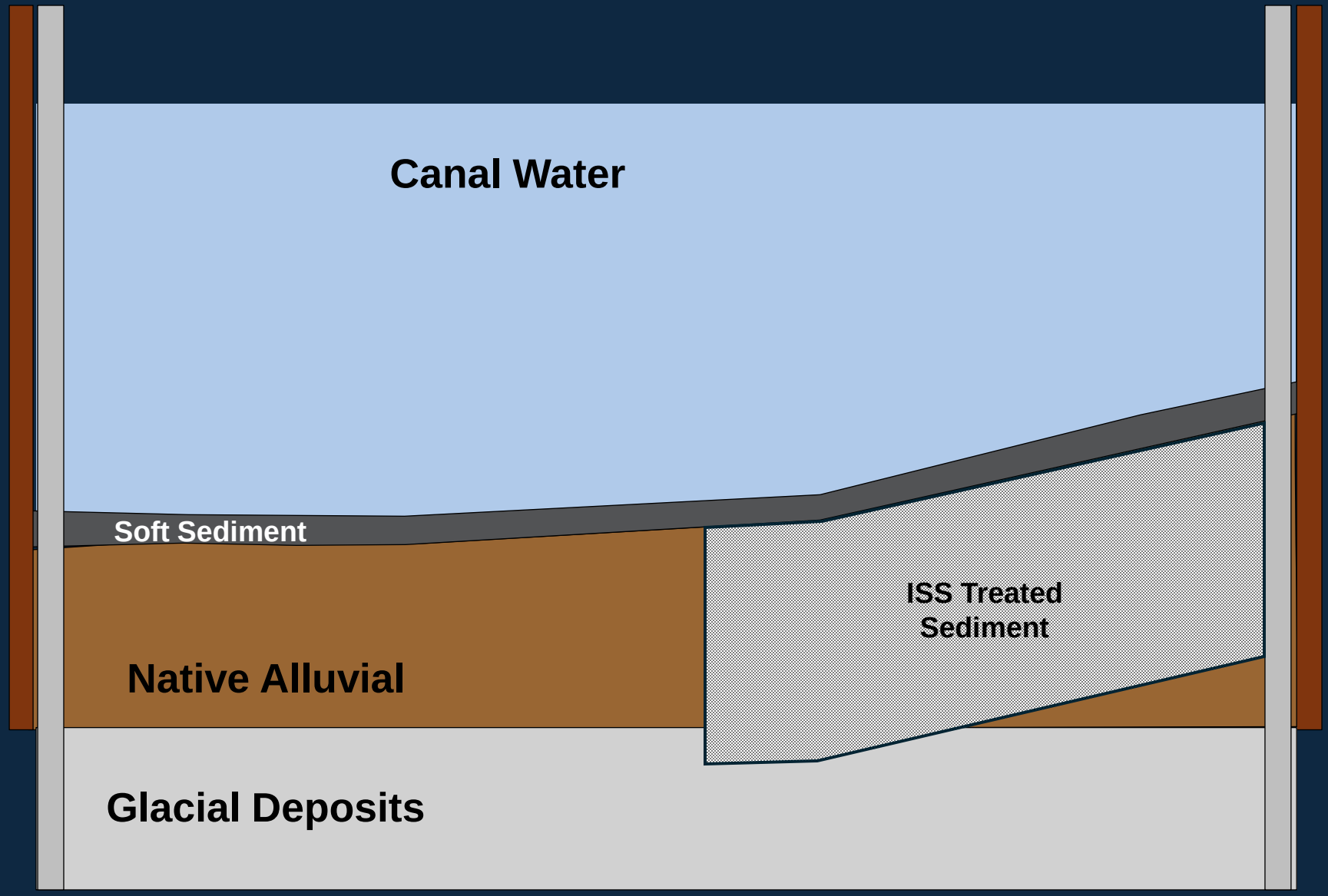
General Remedy Sequence (Bulkhead Supports)



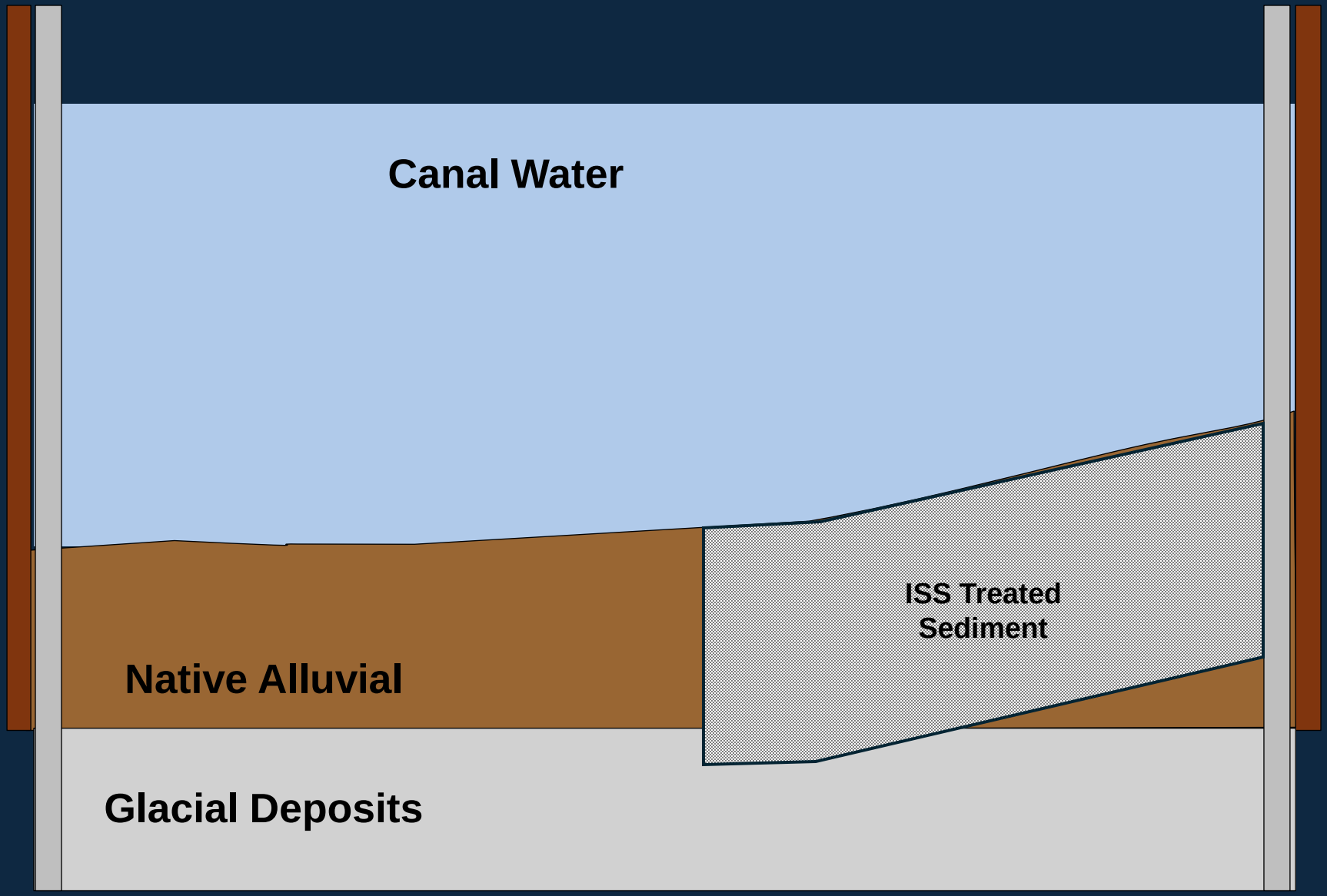
General Remedy Sequence (Initial Dredge)



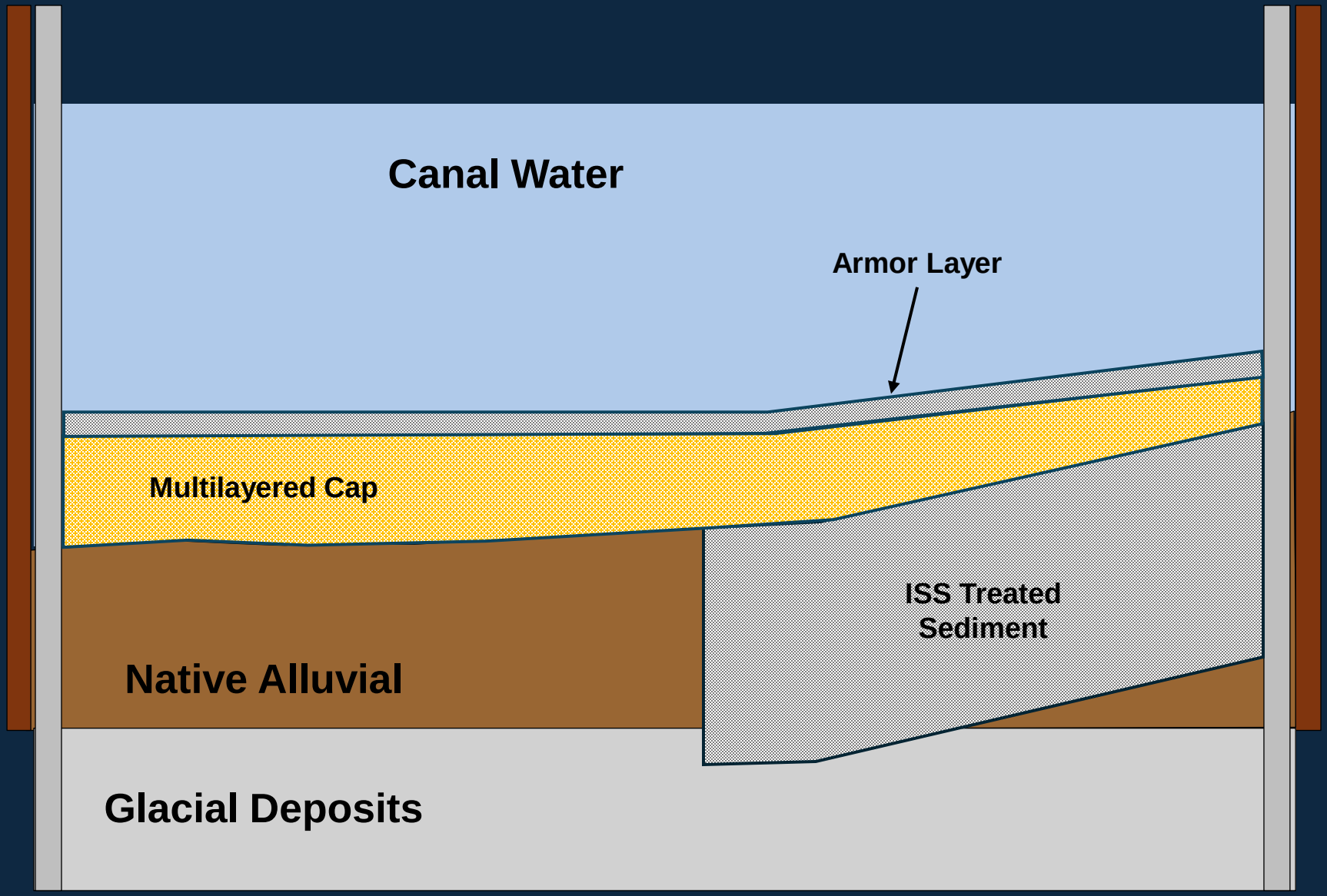
General Remedy Sequence (In-situ Solidification/ Stabilization)



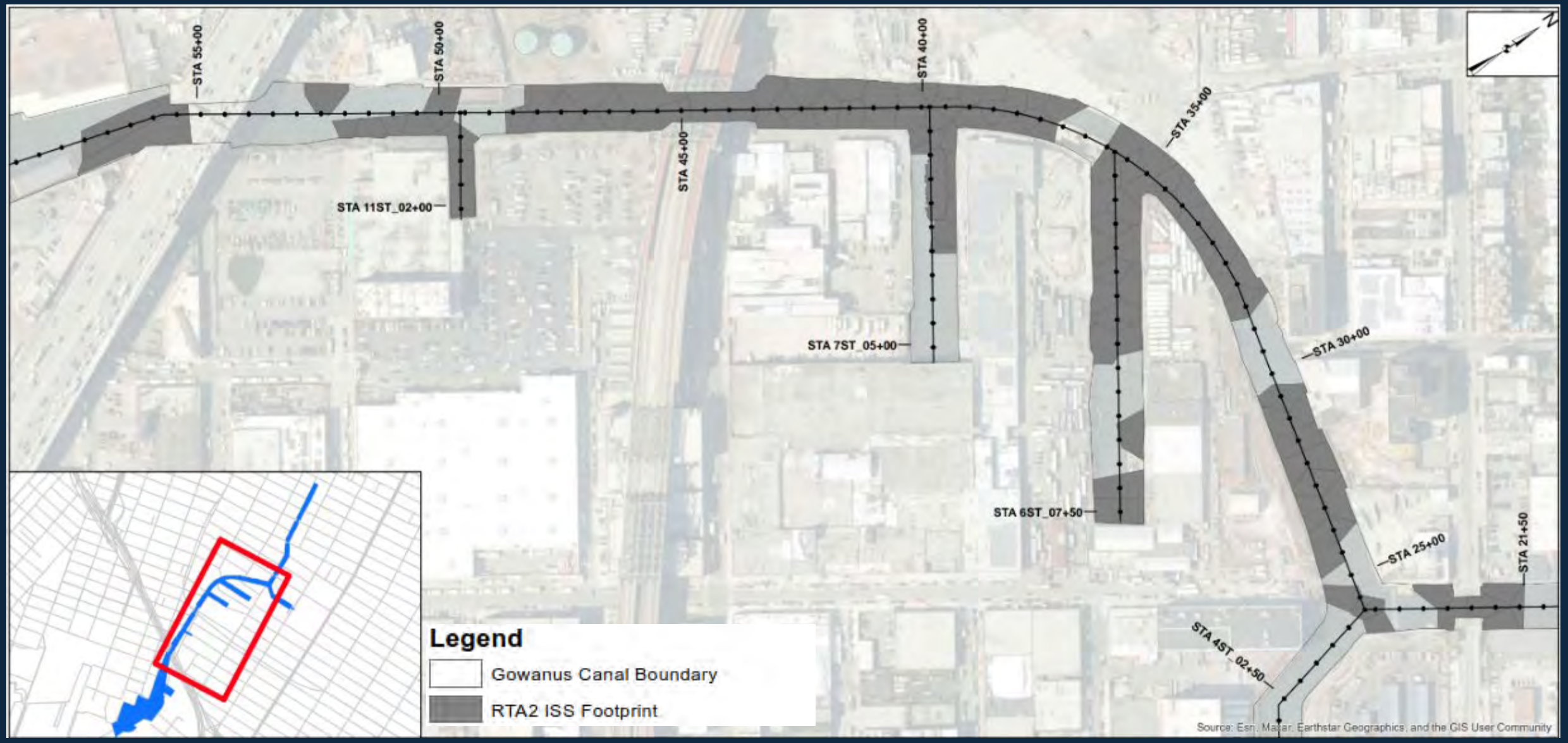
General Remedy Sequence (Final Dredging)



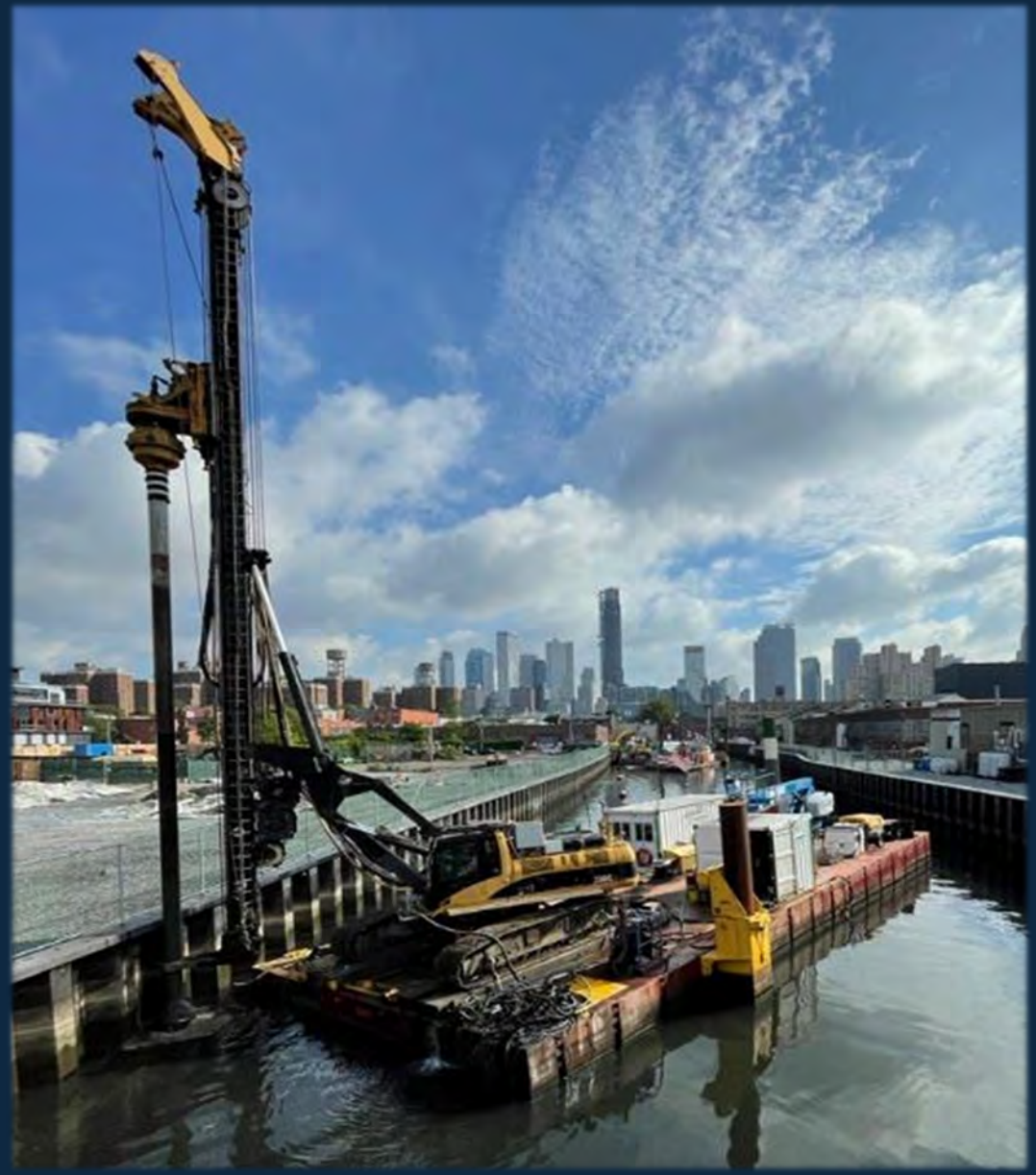
General Remedy Sequence (Cap Placement)

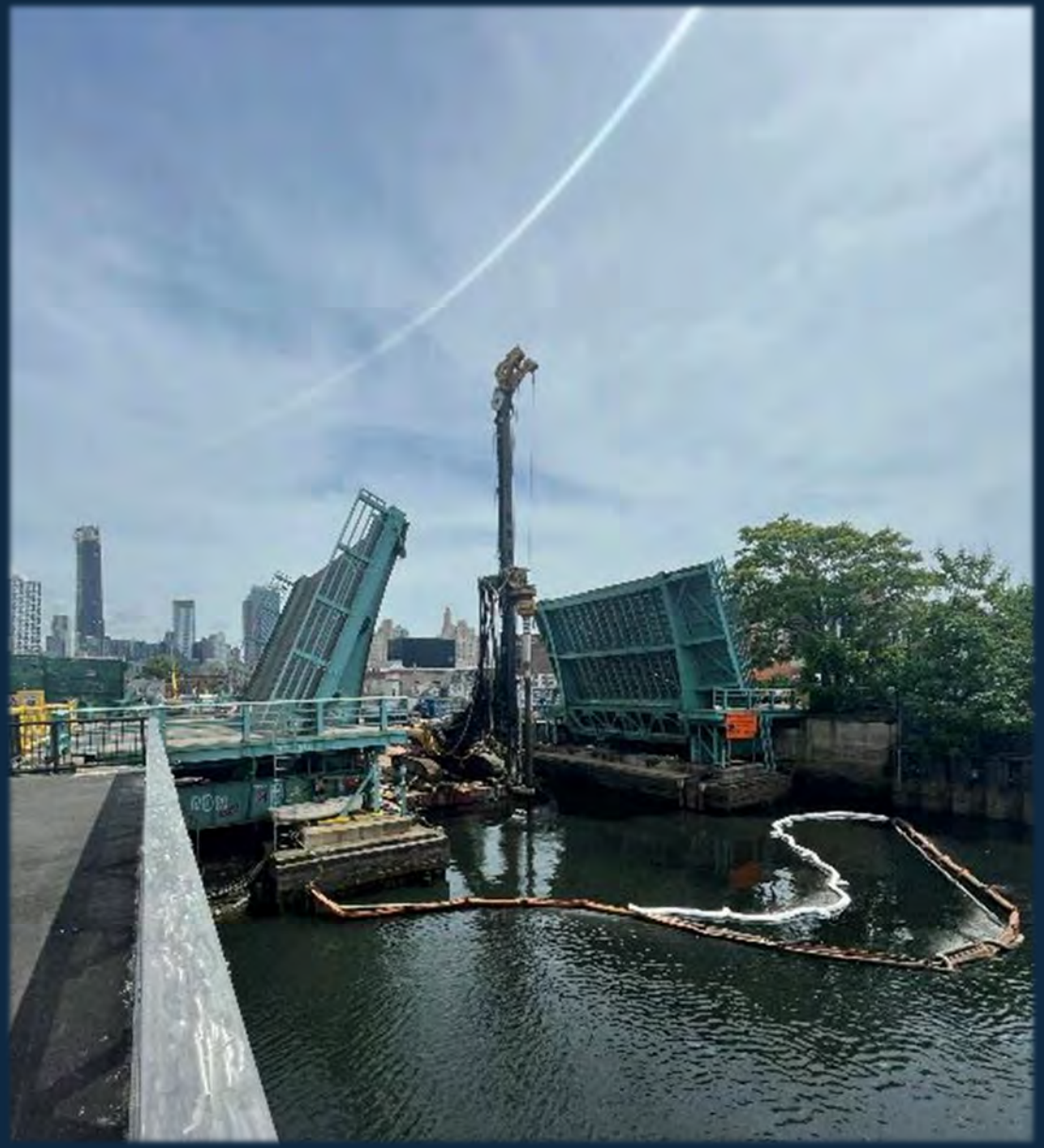


RTA2 ISS Layout

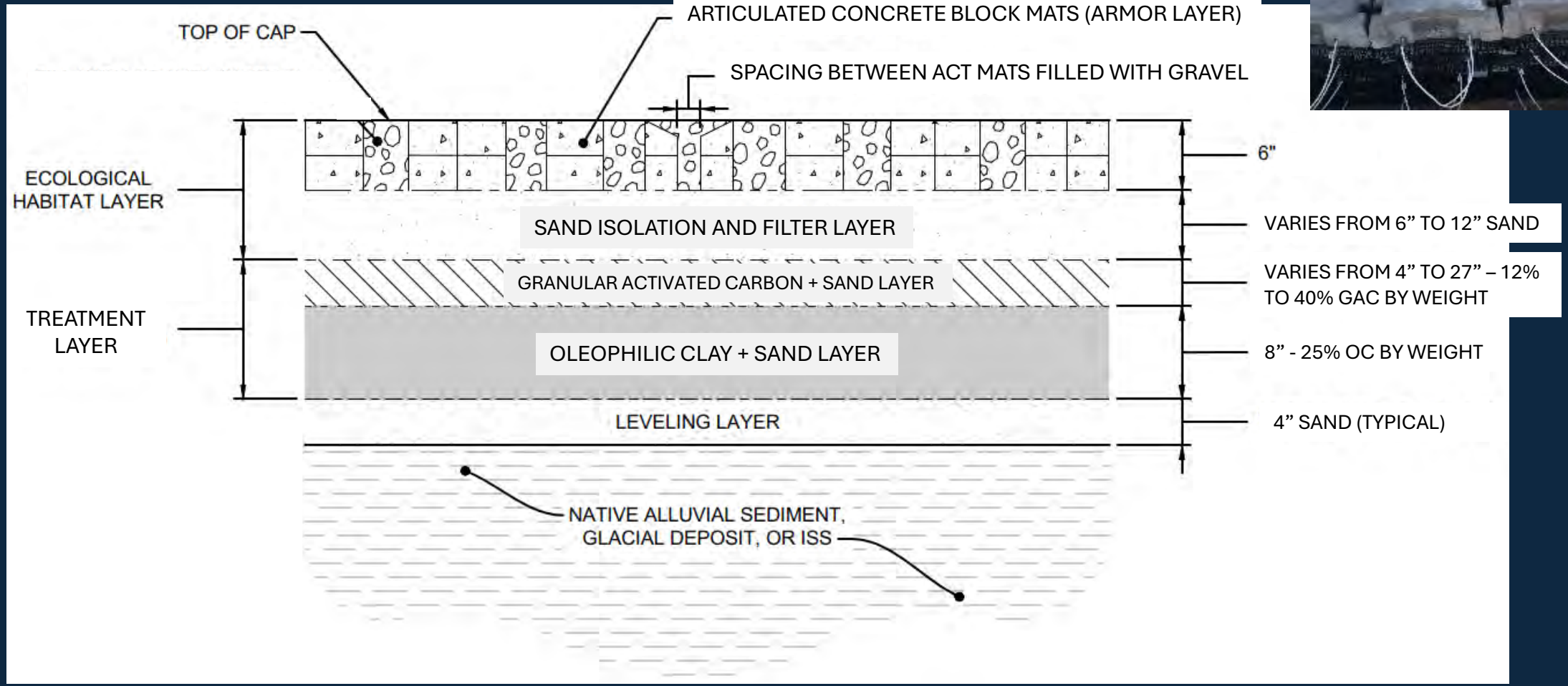


ISS Implementation

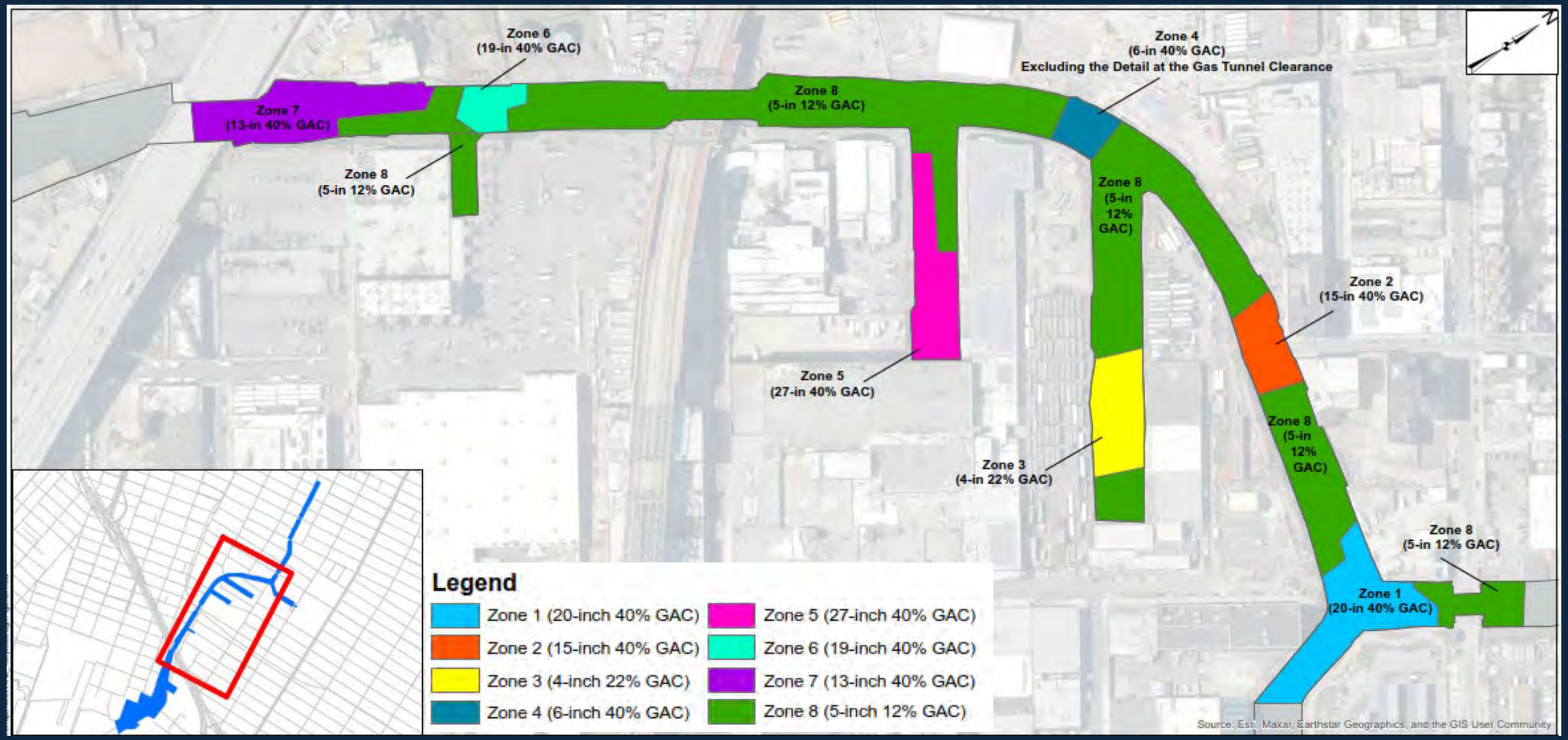




RTA2 Cap Detail

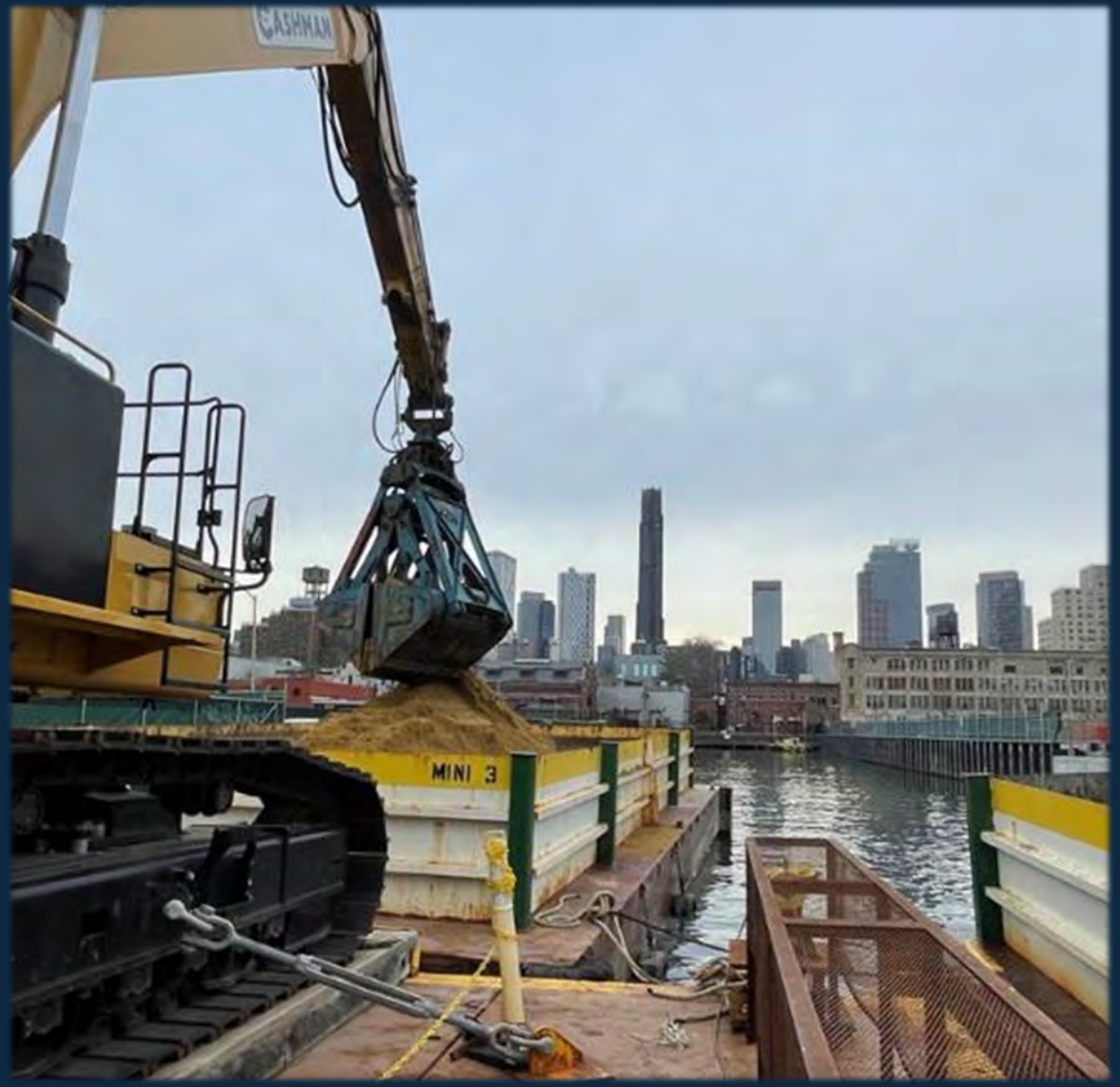


RTA2 Cap Layout

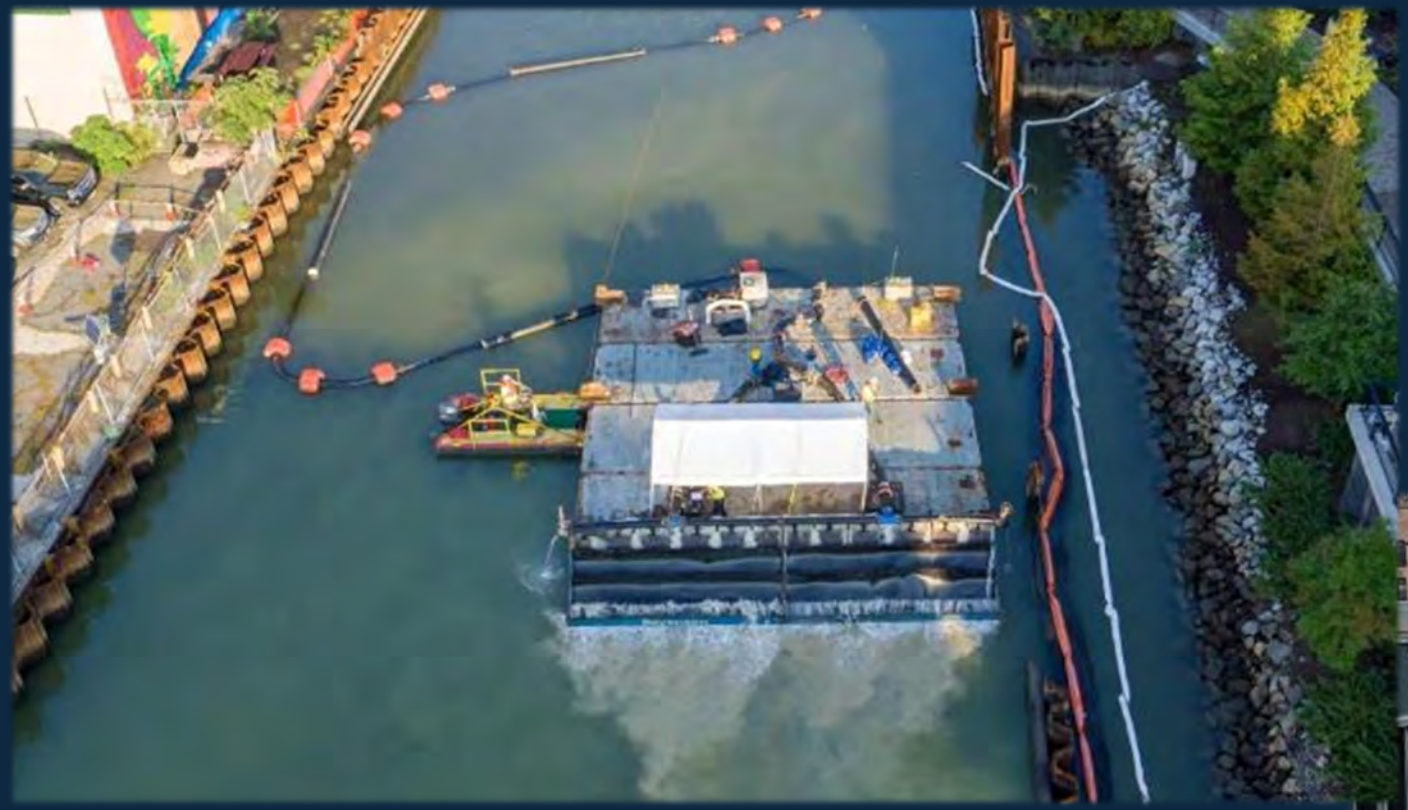


Cap Placement – Batch Mixing of Treatment Layers

Cap Placement – Leveling and Filter Layers



Cap Placement – Treatment Layers



Cap Placement – Confirmation

Questions?

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