

Flood Mitigation – Reach 6

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Department: Project Management Office (PMO)

Meeting Date: July 10, 2024



REGIONAL MUNICIPALITY
OF WOOD BUFFALO

Presentation Outline

- Introduction
- Workshops – Design Constraints & Outcomes
- Options
- Cost Estimates
- Recommendation
- Next Steps



Workshops - Design Constraints



LAND AVAILABILITY

Land should be made available for the flood protection alignment.
The land area in discussion included both Imperial Oil and Suncor lots.



HERITAGE SHIPYARD PROTECTION

The Heritage Shipyard will continue to function as a cultural heritage entity in a new space where it is protected from future potential floods. The new space could enable revitalization that is part of the waterfront enhancement.



FUTURE 4-LANE ROAD

A corridor shall be allocated for future growth consideration of Clearwater Drive.
The current 2-lane shall be part of the current Reach 6 project timeline.



FLOOD PROTECTION ALIGNMENT

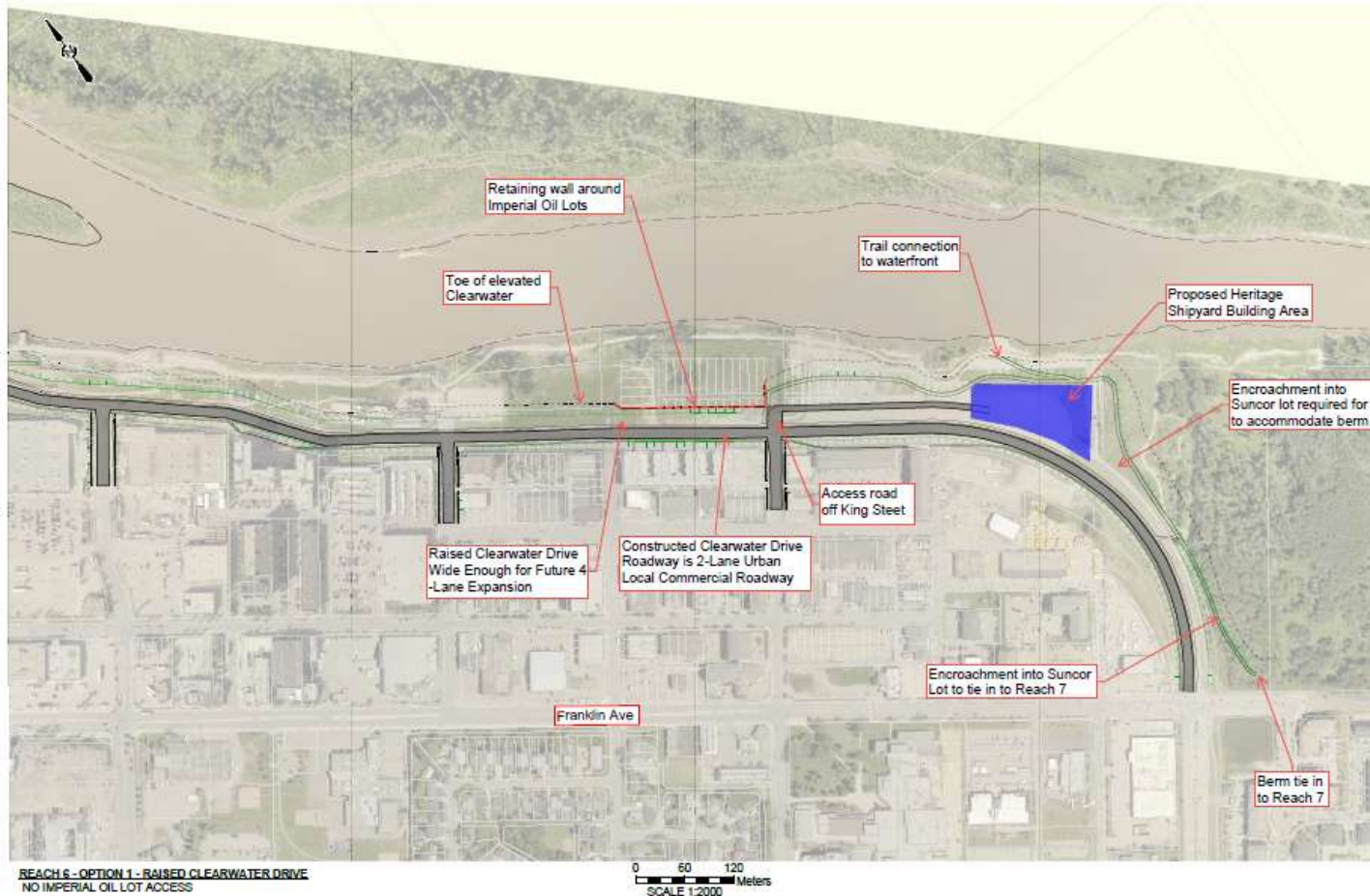
Construct structural mitigation to an elevation of 250.9 m between Clearwater Drive and the Clearwater River.



OPTION 1 – RAISE CLEARWATER DRIVE



Option 1 – Raise Clearwater Drive

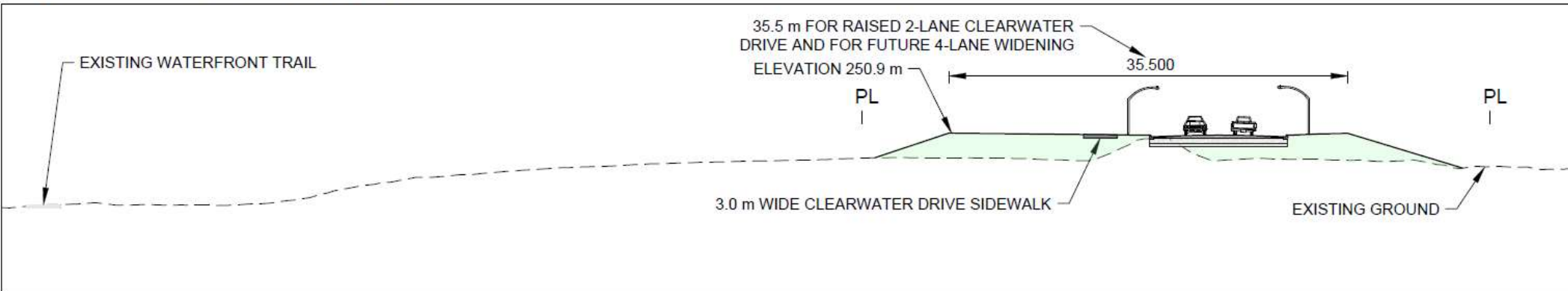


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Option 1 – Raise Clearwater Drive

OPTION 1: RAISE CLEARWATER DRIVE - TYPICAL



Option 1 – Raise Clearwater Drive



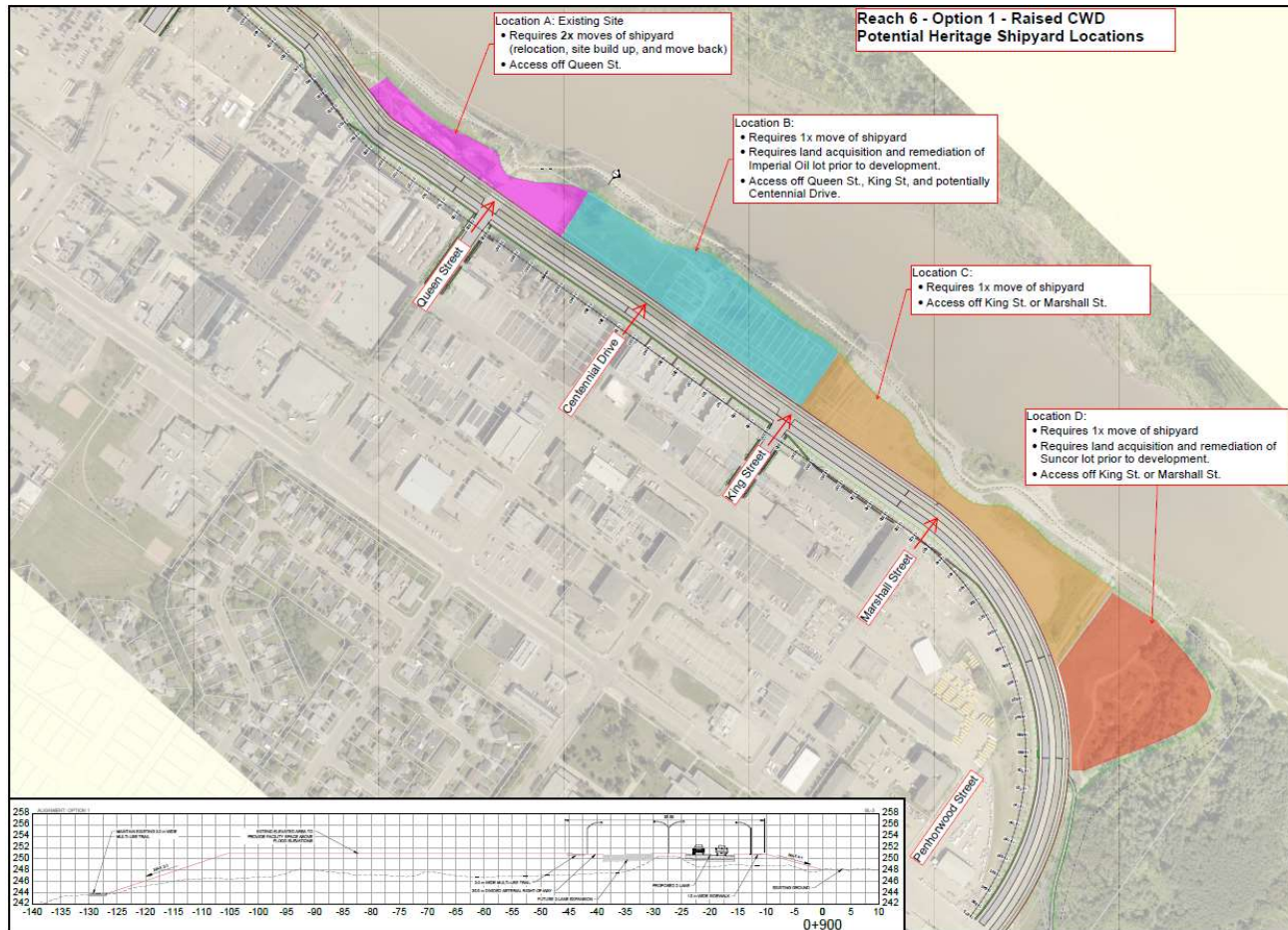
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Option 1 – Raise Clearwater Drive



Heritage Shipyard – Proposed Locations



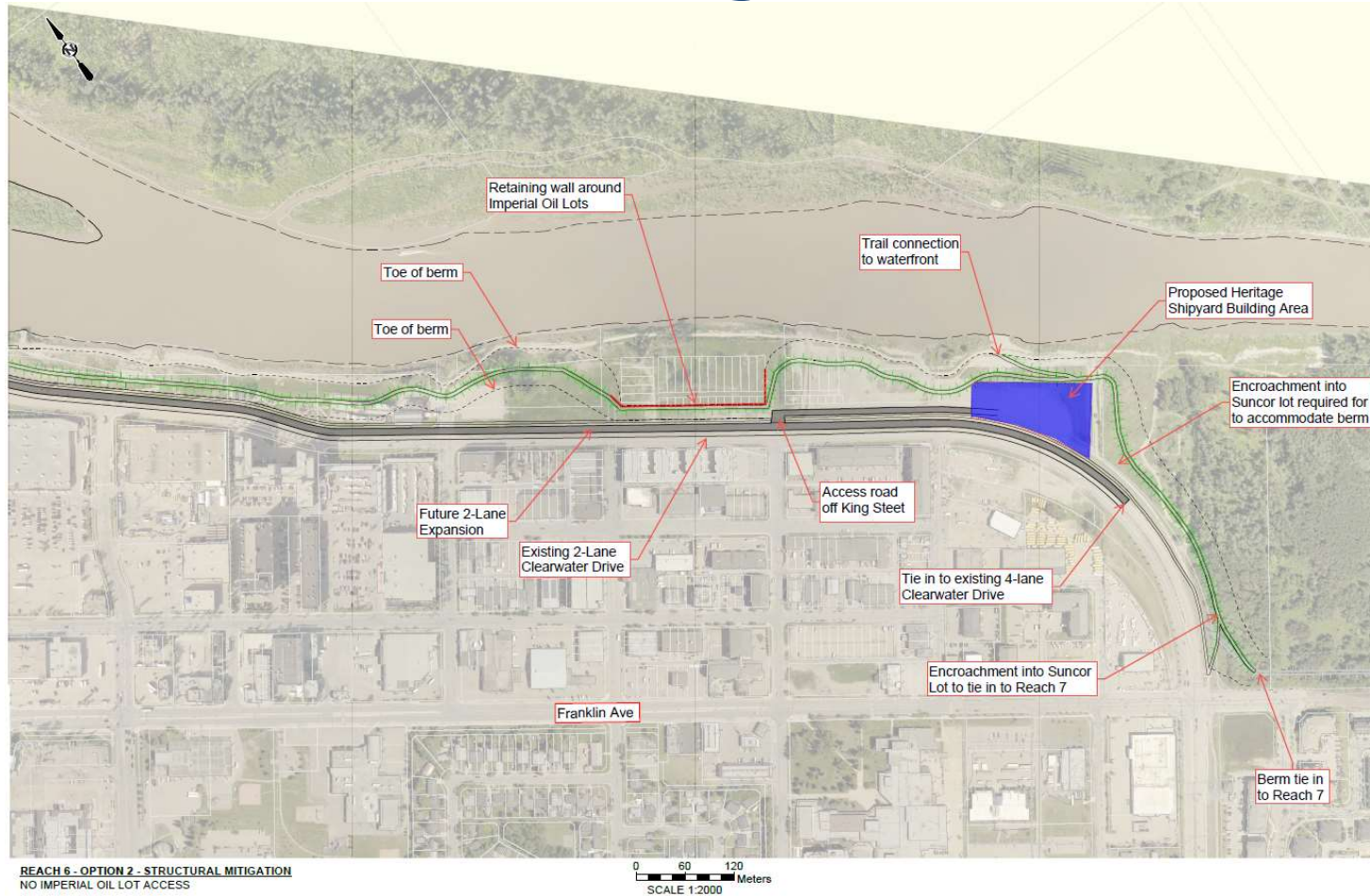
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OPTION 2 – STRUCTURAL MITIGATION



Option 2 – Structural Mitigation

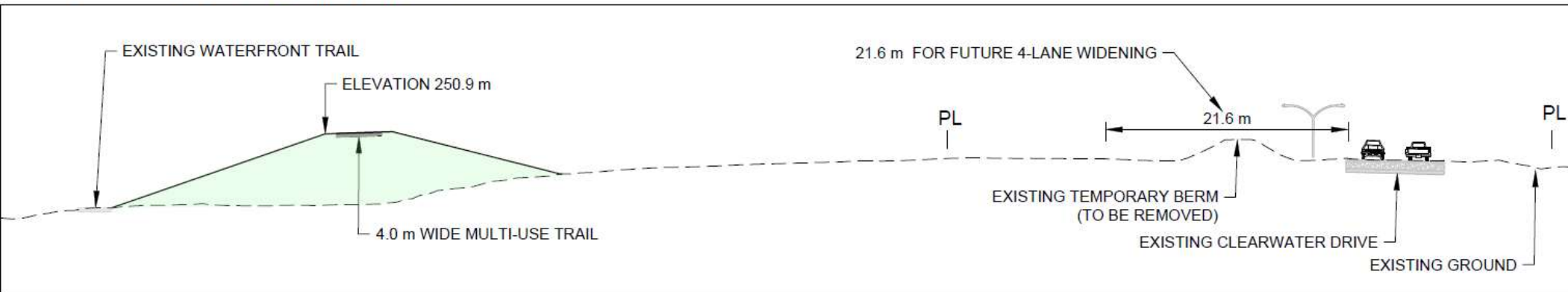


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Option 2 – Structural Mitigation

OPTION 2: STRUCTURAL MITIGATION - TYPICAL



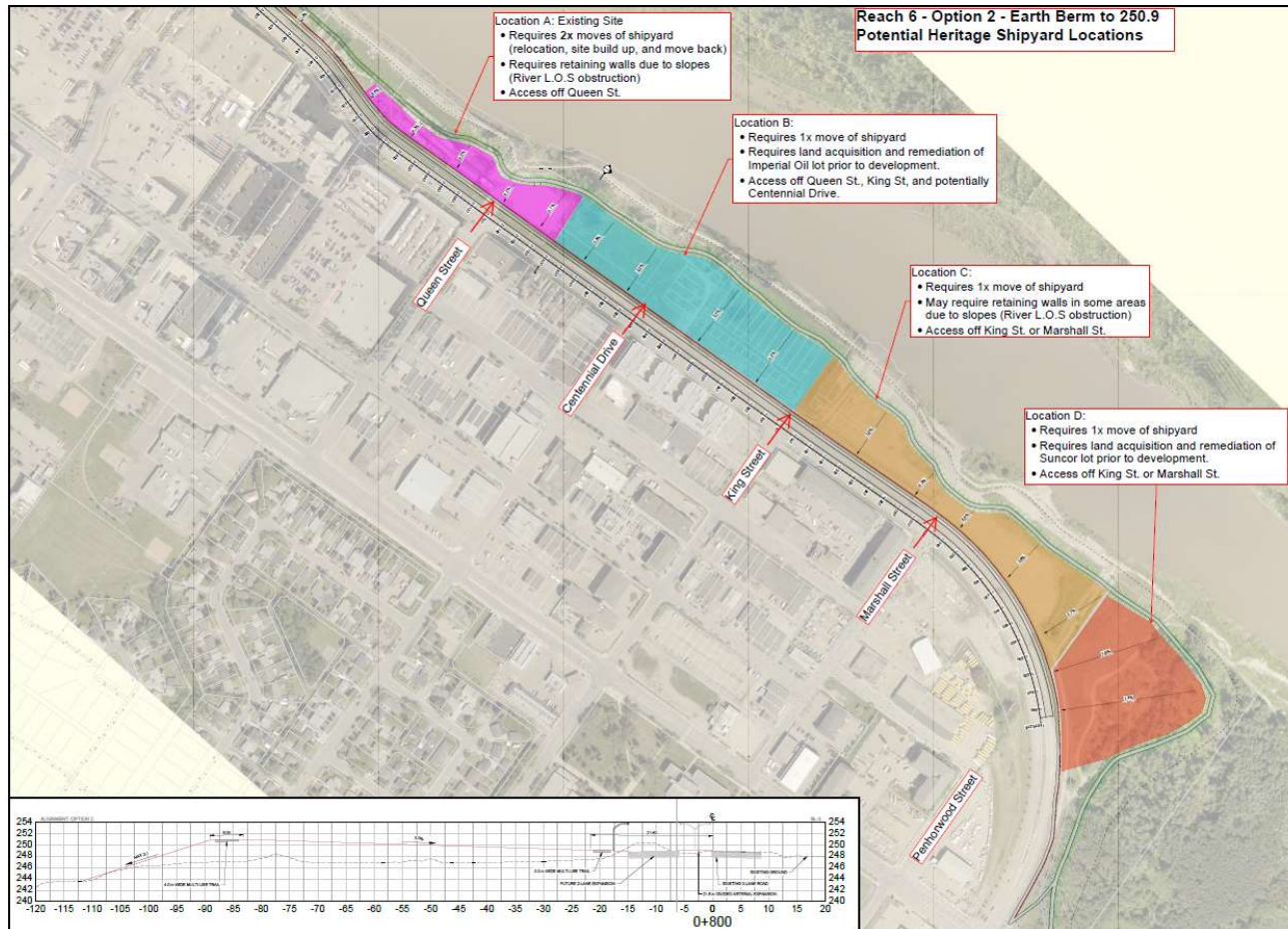
Option 2 – Berm



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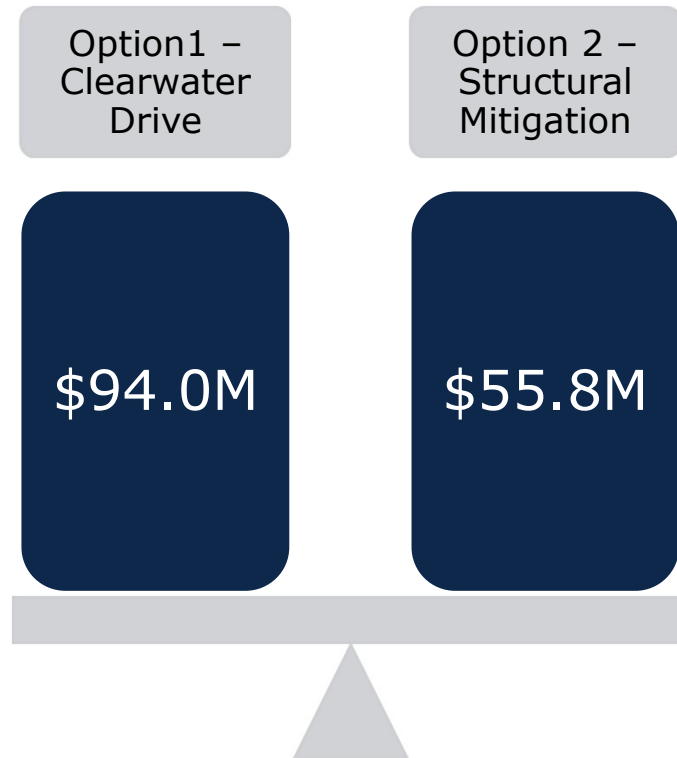
Heritage Shipyard – Proposed Locations



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Cost Estimates



Recommendation

THAT the Flood Mitigation - Reach 6 project be approved with structural mitigation placed at a minimum elevation of 250.9m, between Clearwater Drive and the Clearwater River, with consideration for future expansion of Clearwater Drive, and;

THAT Administration proceed with relocating the Heritage Shipyard to a new location within the riverfront alongside Reach 6 and provide structural mitigation of all historical artifacts to a minimum elevation of 250.9m.



Next Steps

- Return to Council with detailed design/budget request (if required)
- Reach 6 continues to be part of the ongoing Flood Mitigation Quarterly Updates



Thank You



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