Lake Superior Shoreline Restoration – Marquette, MI

City Commission Meeting

January 19, 2021

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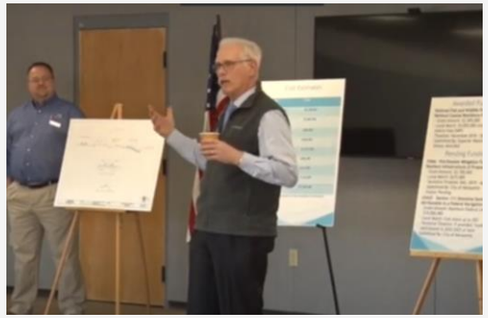
Project Need

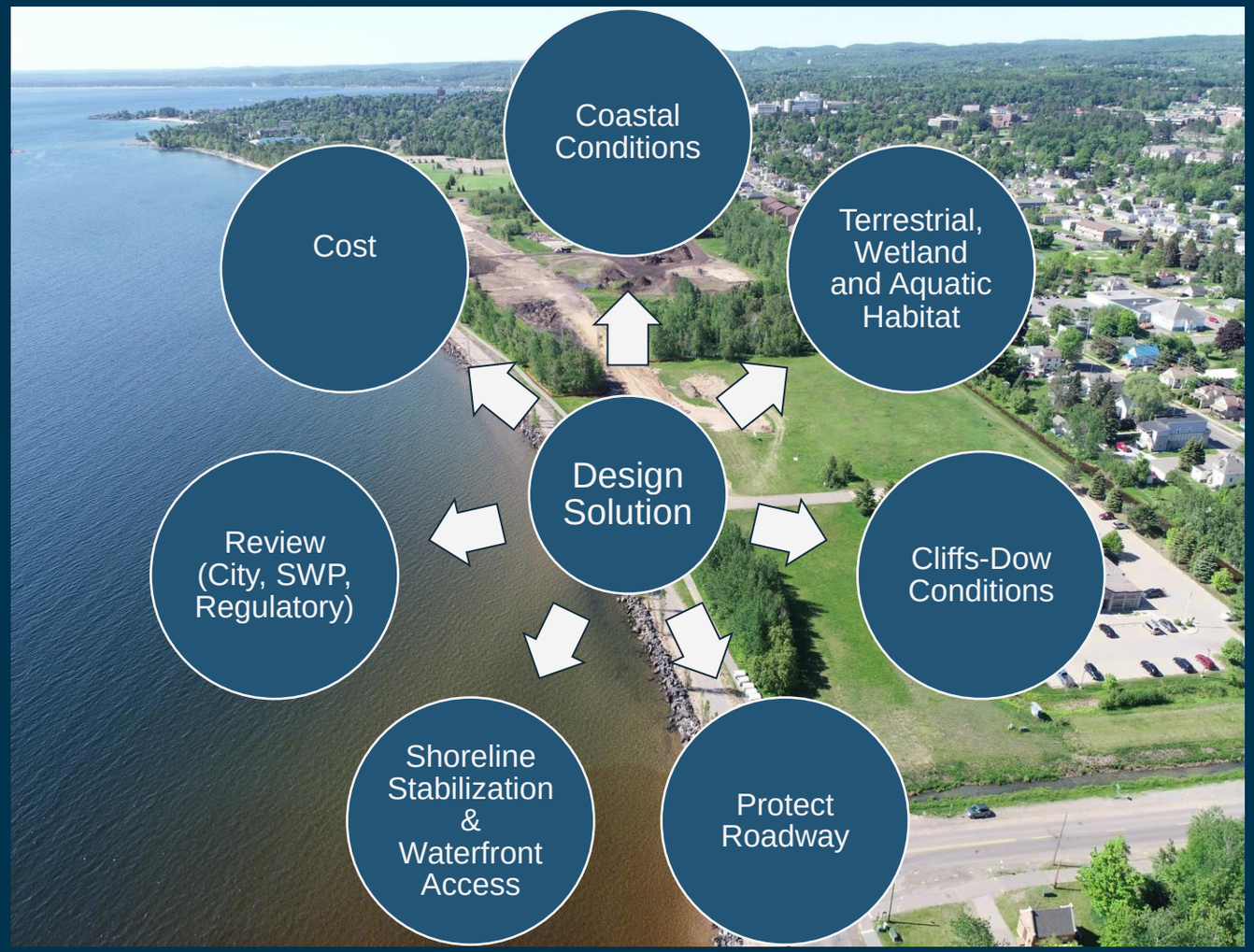
- *Approx. 4,000 ft of public shoreline area in Marquette has 20 acres of habitat degraded by former industrial operations, public infrastructure at risk from coastal storm damage, and no safe waterfront access.*

Project Purpose

- *Improve coastal resiliency by creating a living shoreline, protecting Lake Shore Boulevard and providing a public greenspace with waterfront access.*



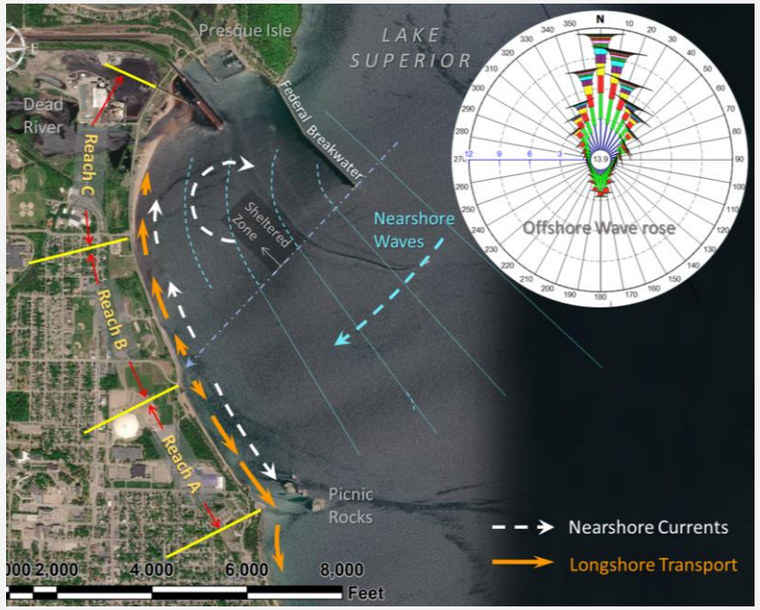
Project Constraints

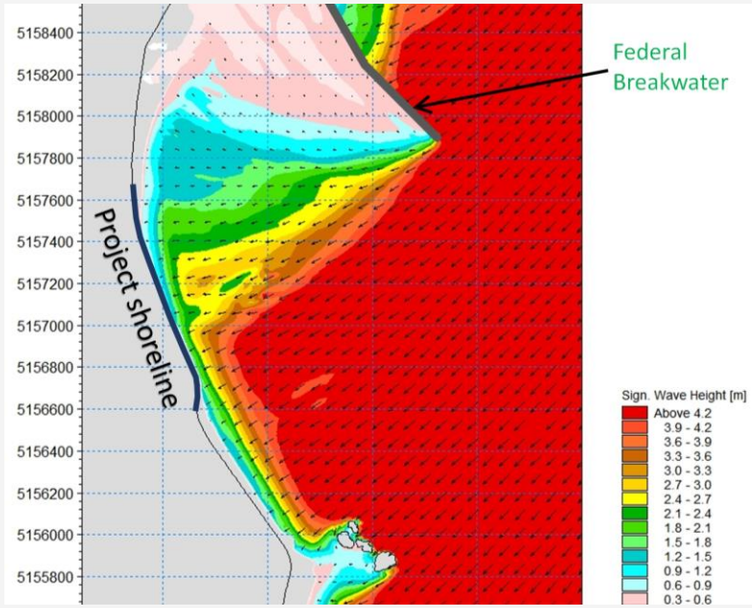


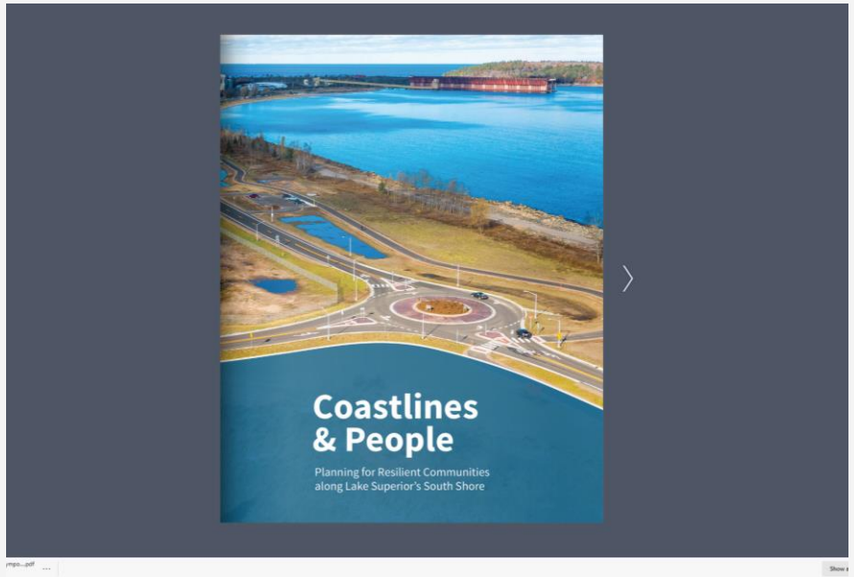
Supporting Project Analysis

- Site reconnaissance
- Sediment and core sampling
- Hydro and topo surveys
- Wave Modeling
- Water Level Analysis
- KBIC input
- EGLE, USACE, City input

- Sediment Transport
- Hydraulic Analysis
- Coastal Design
- Draft Drawings/Specifications
- Reporting/Recommendations

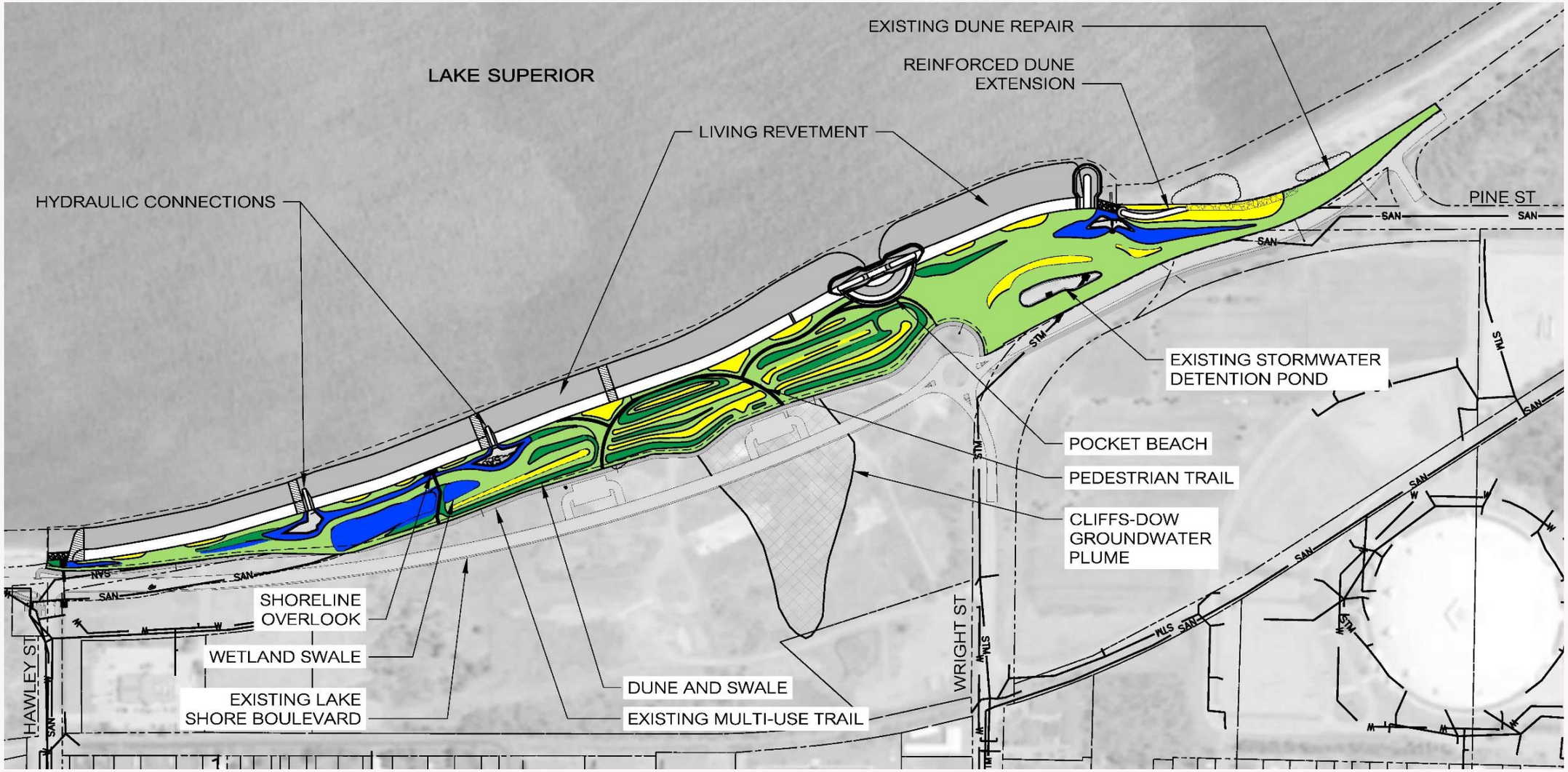






Coastal Aspects

Living Shoreline, Habitat, Wetlands



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Living Revetment
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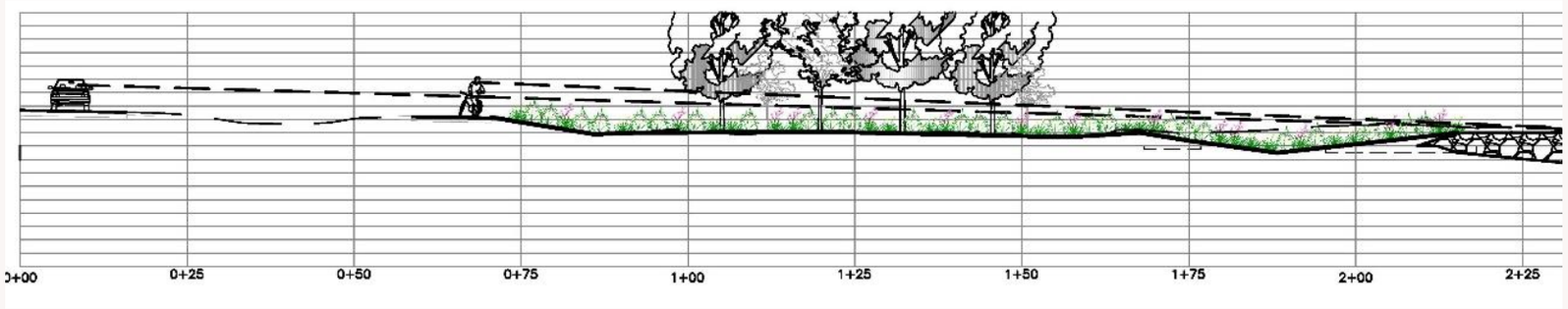
Natural Cobble Beach

Uplands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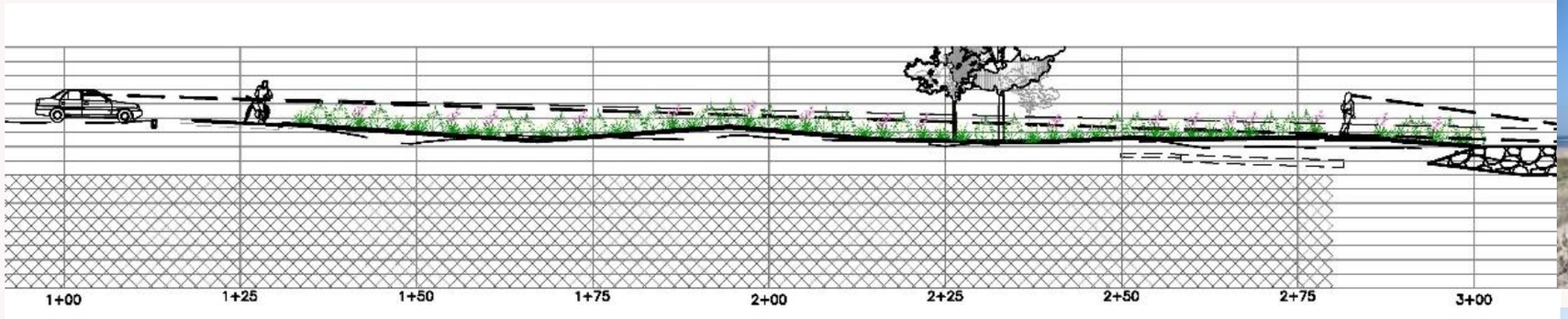
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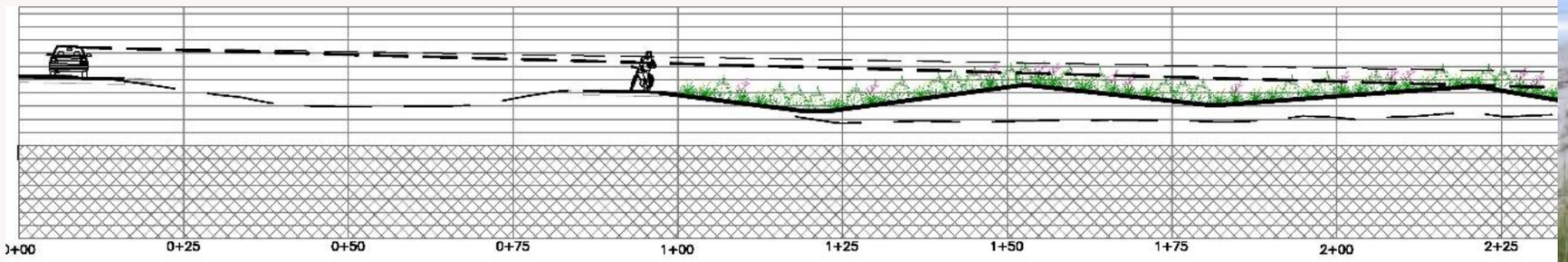
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Pre-construction

Post - Construction

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