

City of New Haven Inland and Coastal Flood Resiliency Project

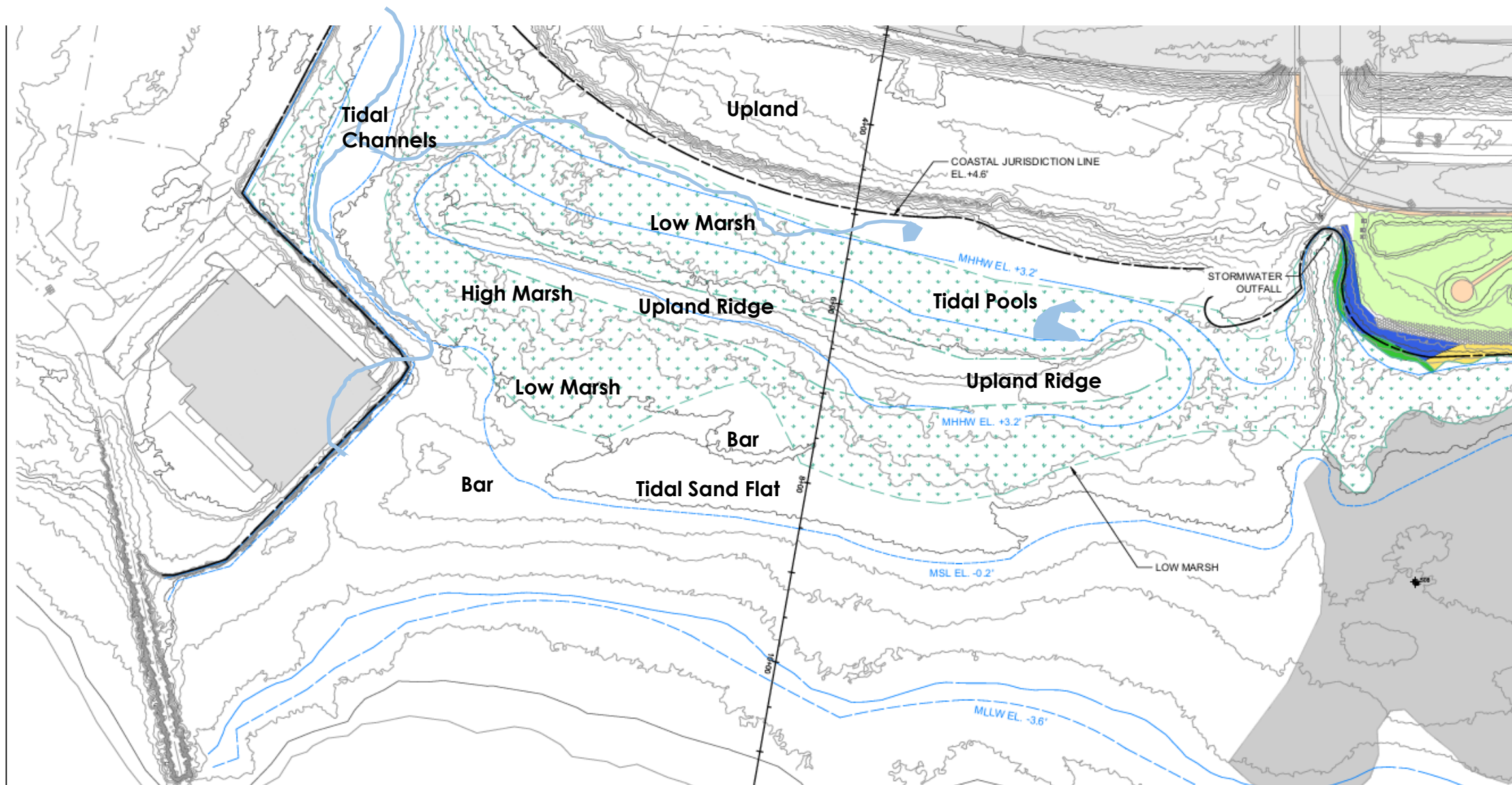
... a Fringe Marsh Living Shoreline in the Long Wharf District

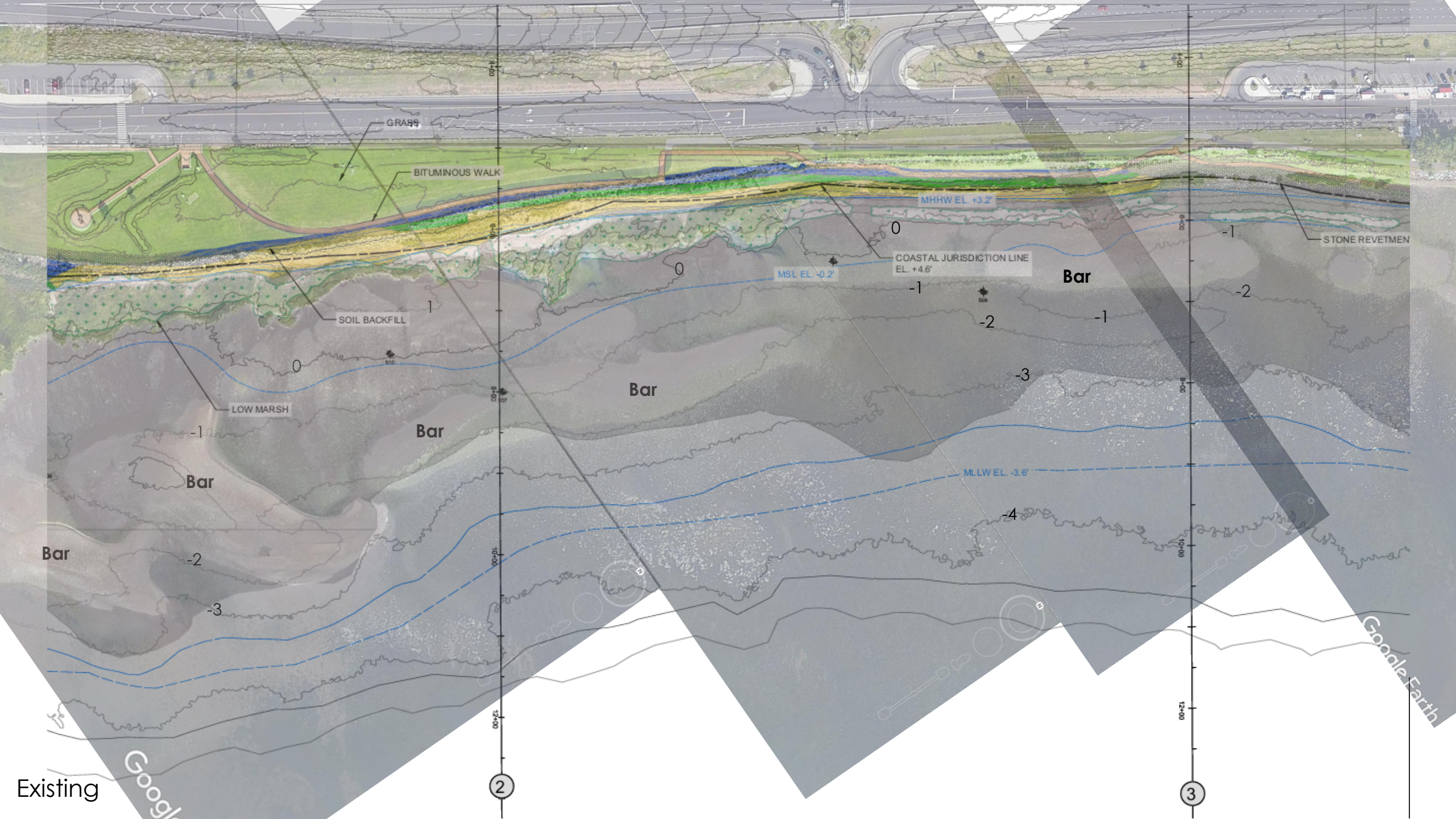


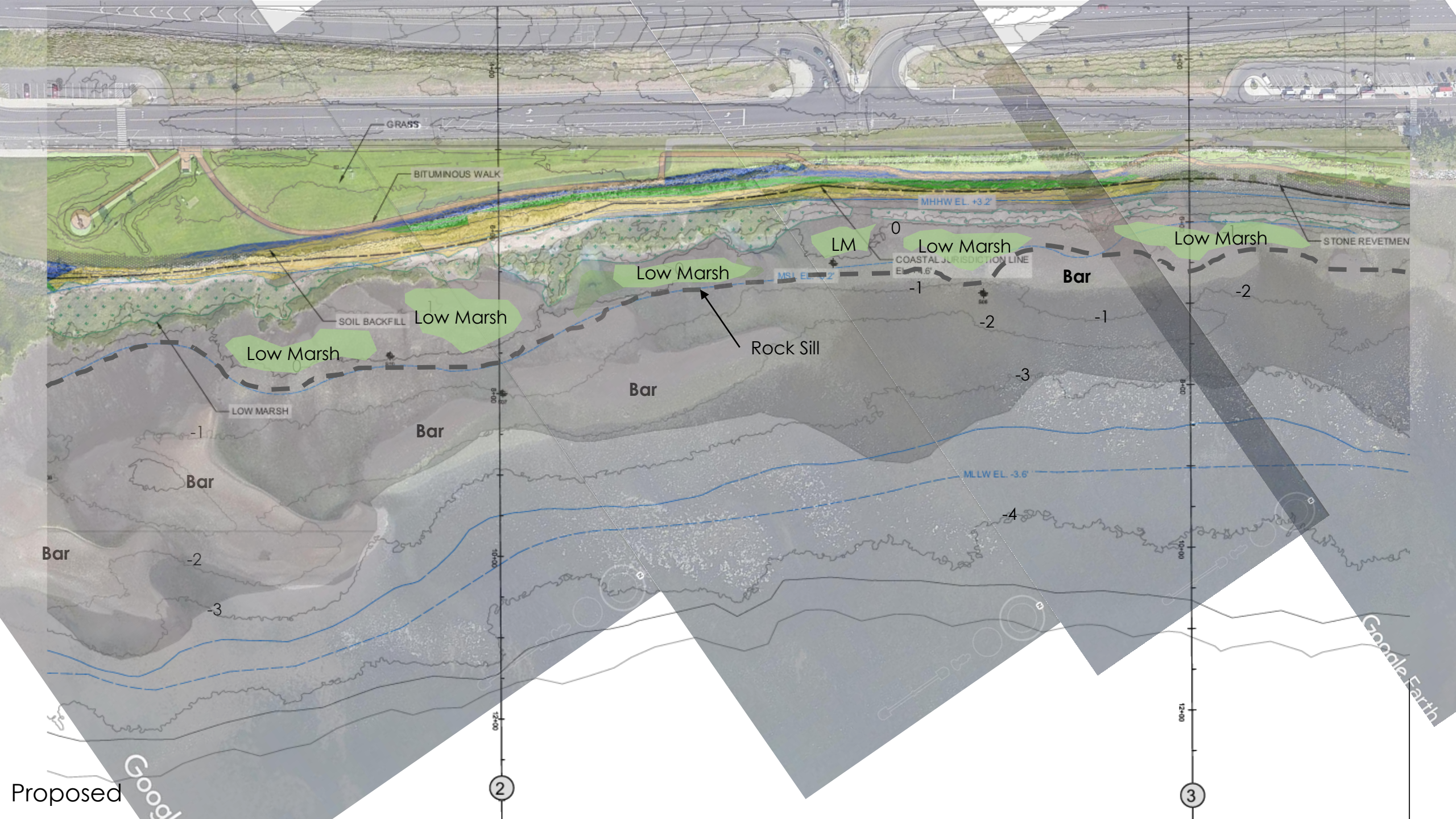
Long Wharf Nature Preserve: Informing and Connecting to The Long Wharf Marsh



Long Wharf Nature Preserve – Marsh System Components



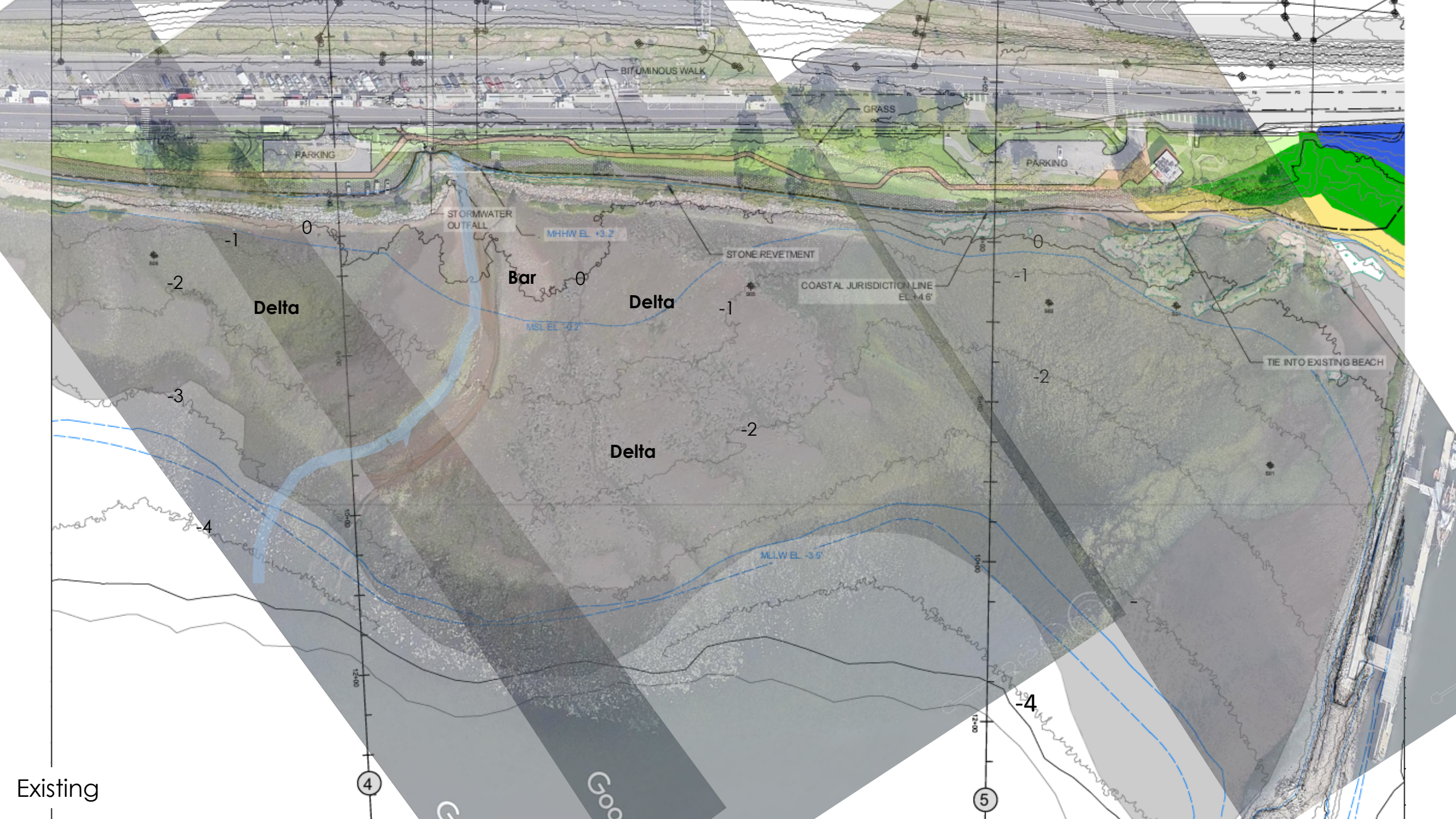




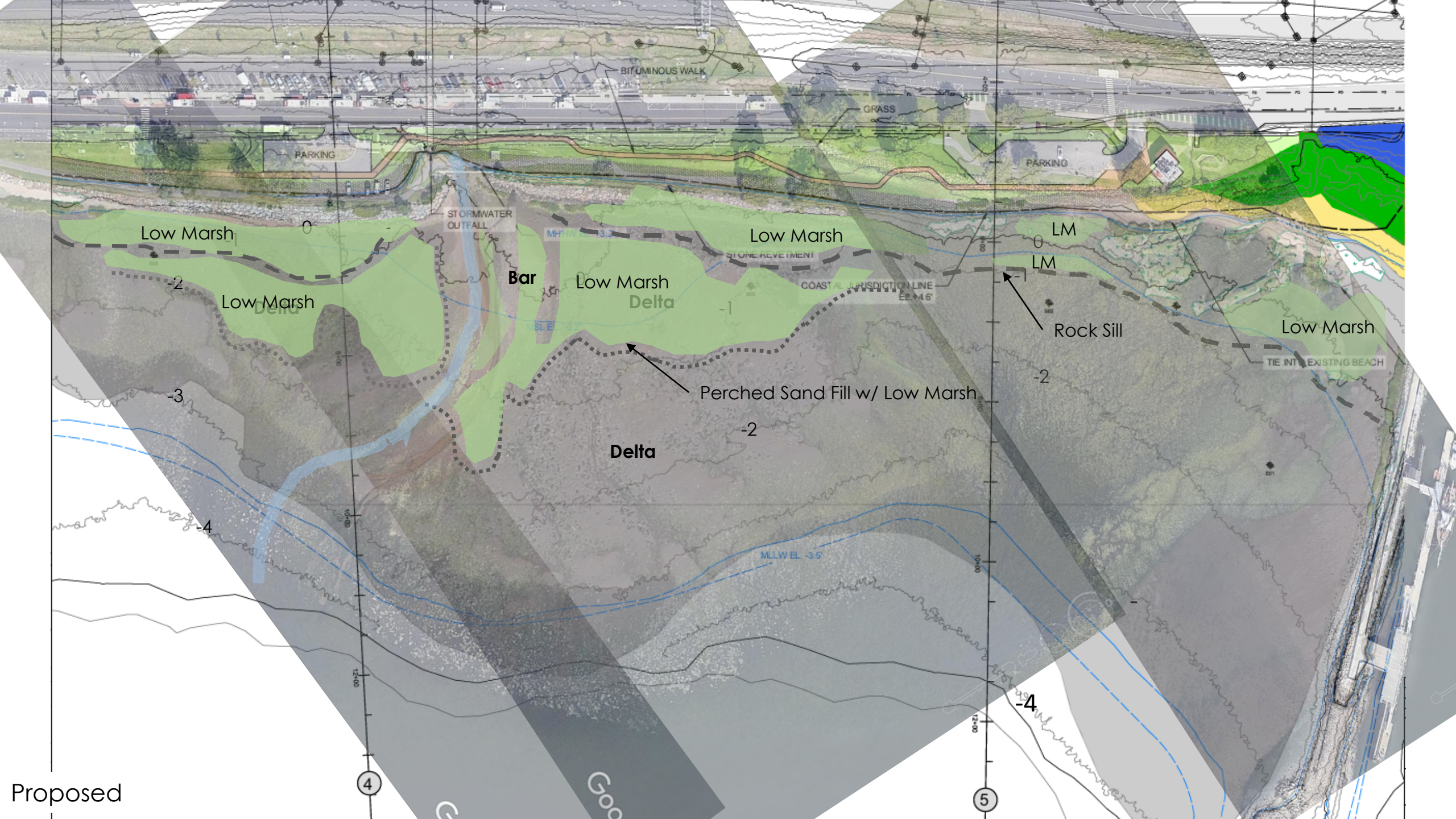
Proposed

Google

Google Earth

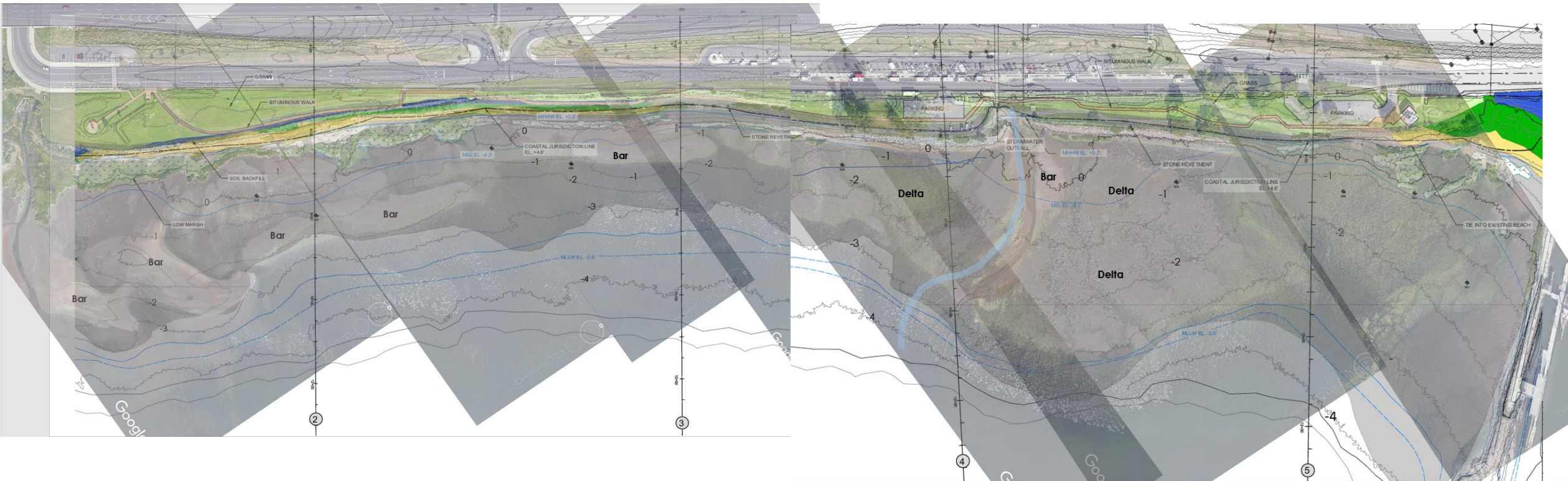


Existing



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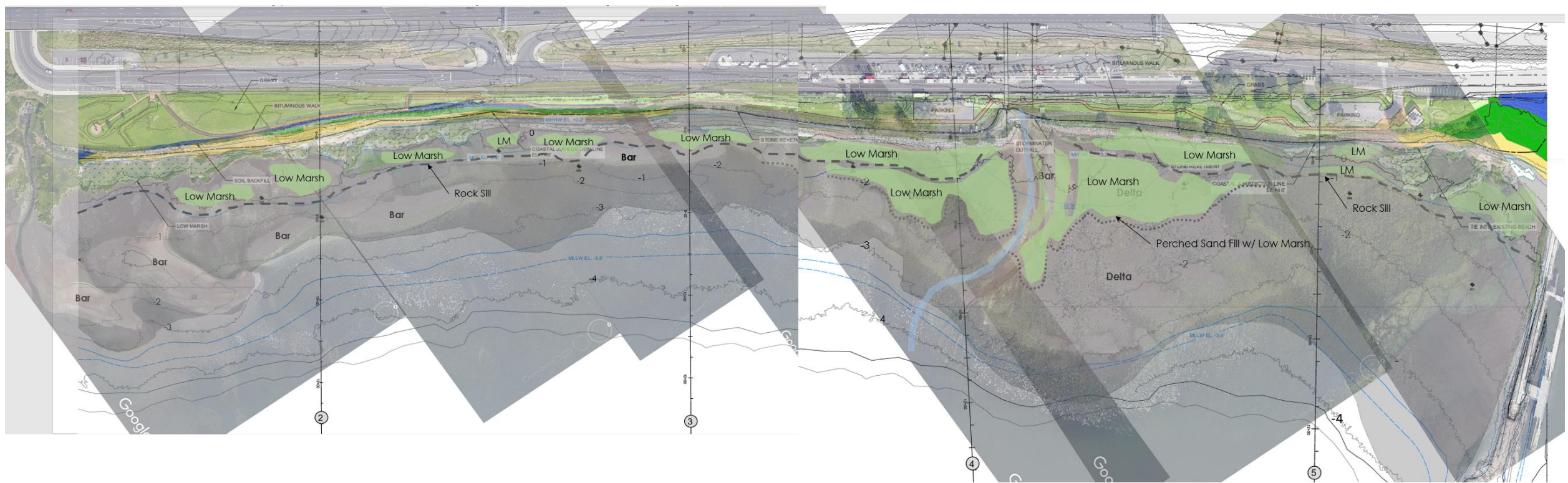


Existing

Scale: 200 feet

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Proposed

Scale: 200 feet

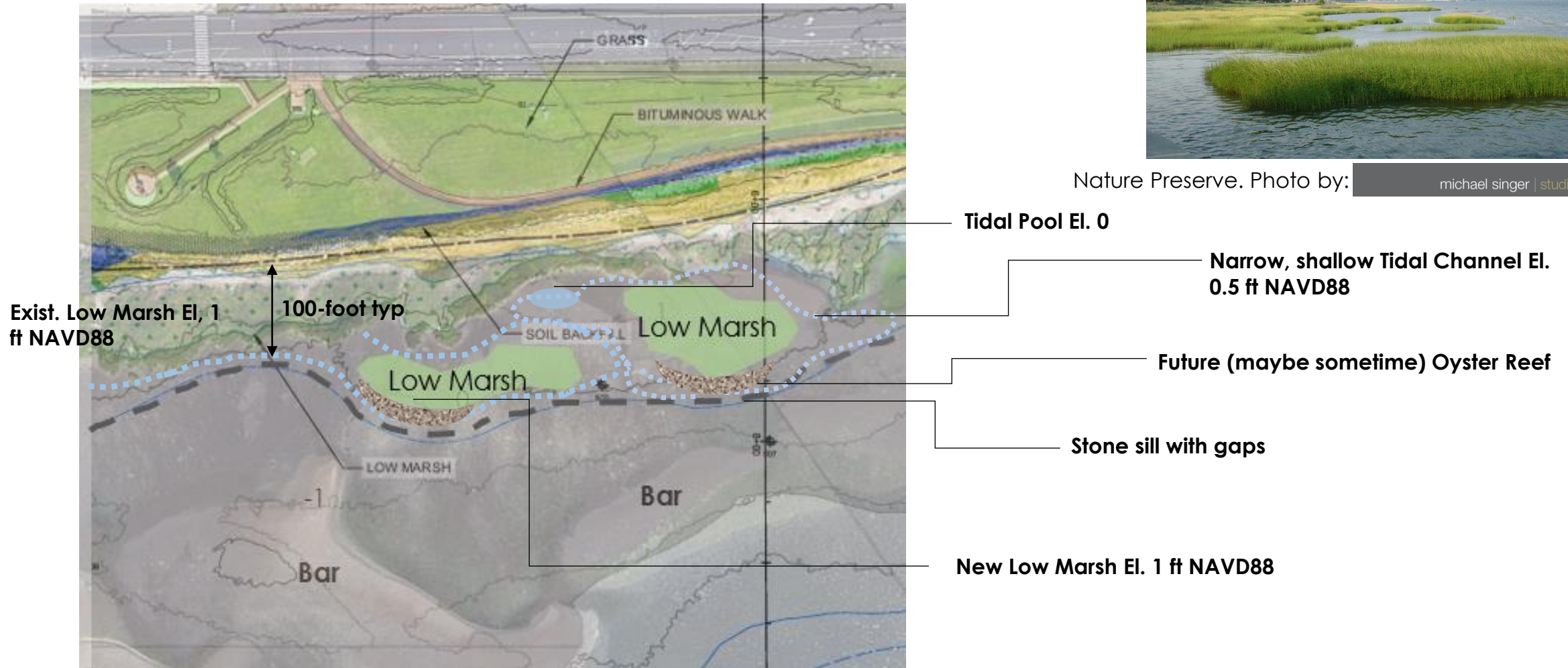
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Nature Preserve. Photo by:

michael singer | studio



Typical Living Shoreline Section Plan

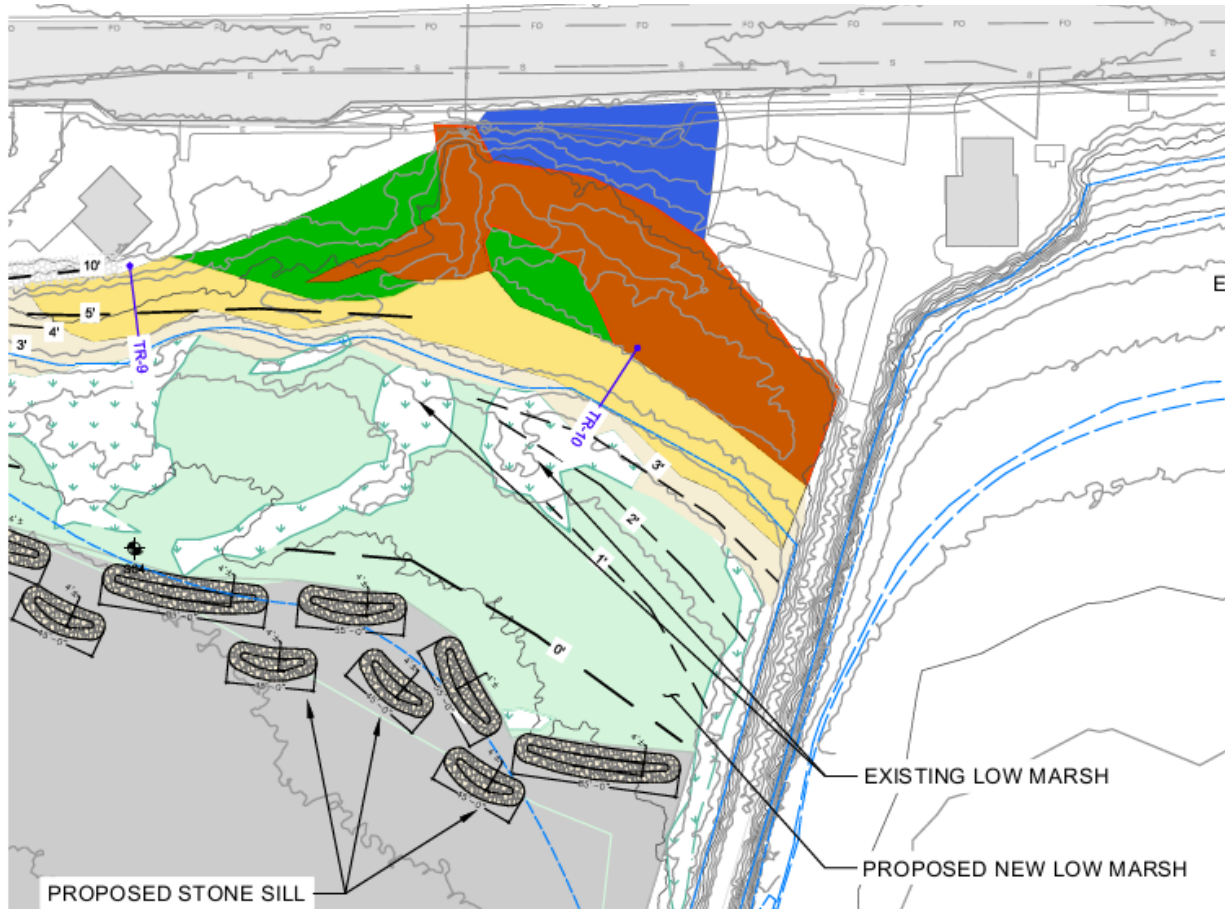
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Dedicated micro-habitat area: low marsh, beach, dune, high marsh, maritime shrub

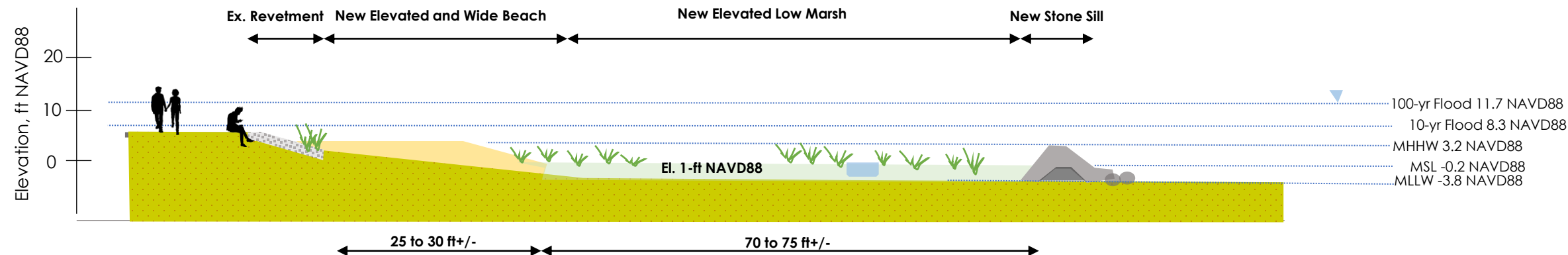
LEGEND:

- SCRUB-SHRUB
- PHRAGMITES
- HIGH MARSH
- STONE REVETMENT
- MUD FLAT
- EXISTING BEACH
- EXISTING LOW MARSH
- PROPOSED BEACH
- PROPOSED LOW MARSH WETLAND PLANTINGS



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Typical Living Shoreline Profile and Cross Section

Very Approximate Project Area (including tidal flat and Nature Preserve) Habitat Change:

Existing:

- intertidal, unconsolidated shore (tidal flats): +/- 41.6 acres
- intertidal, emergent (marsh) including Nature Preserve: +/- 11.2 acres

Proposed:

- intertidal, unconsolidated shore (tidal flats): +/- 36 acres (-13%)
- intertidal, emergent (marsh) including Nature Preserve: +/- 16.7 acres (+50%)