



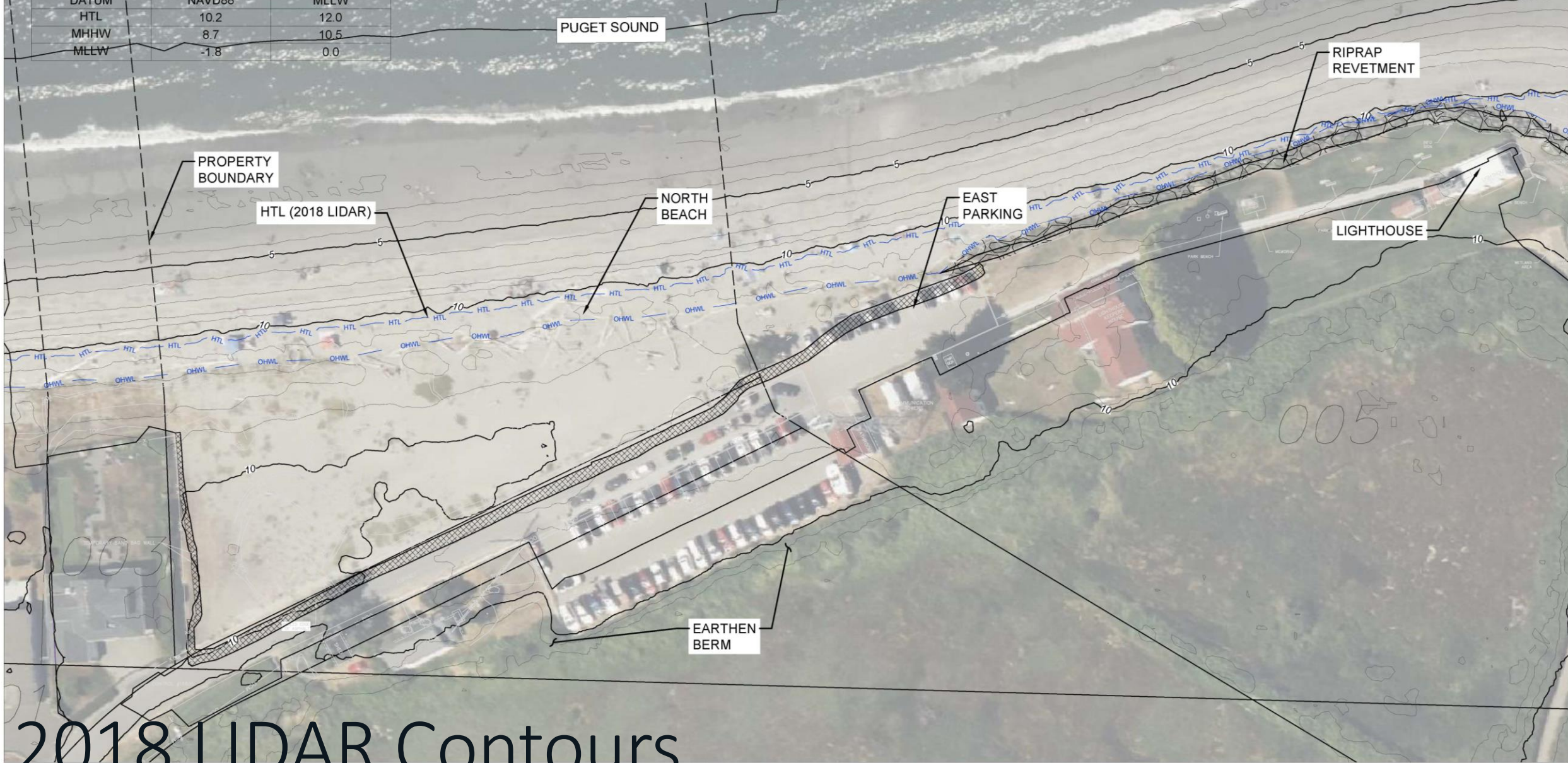
BLUE COAST
ENGINEERING

POINT NO POINT PARK BEACH RESTORATION

ONSITE COMMUNITY MEETING
TUESDAY, JUNE 20, 2023, 4:30 PM
– 6:00 PM

Timeline:

- November 5, 2022 wind-wave event estimated as 3-foot waves eroded beach berm weakening shoreline
- December 27, 2022 extreme water level event caused overtopping of north beach berm and east beach berm combined with intense precipitation filled marsh and path of least resistant for outflow was across north beach in park.
- January 2023 Kitsap County Public Works placed supersacks filled with gravel and pumped water from marsh and road into Puget Sound
- February 2023 Kitsap County Parks contracted Blue Coast Engineering to assess the condition and develop design to repair beach and shoreline structures.
- March to May 2023 developed design alternatives and discussed proposed repairs and alternatives with County departments, regulatory agencies and Coast Guard.
- June 2023 submitting permit applications to repair beach to pre-storm condition only
- July 2023 submitting permit applications for restoration of shoreline and infrastructure improvements
- September/October 2023 construct beach repairs
- Late summer/Fall 2024 construct shoreline restoration and infrastructure improvements



2018 LIDAR Contours

NOTES:

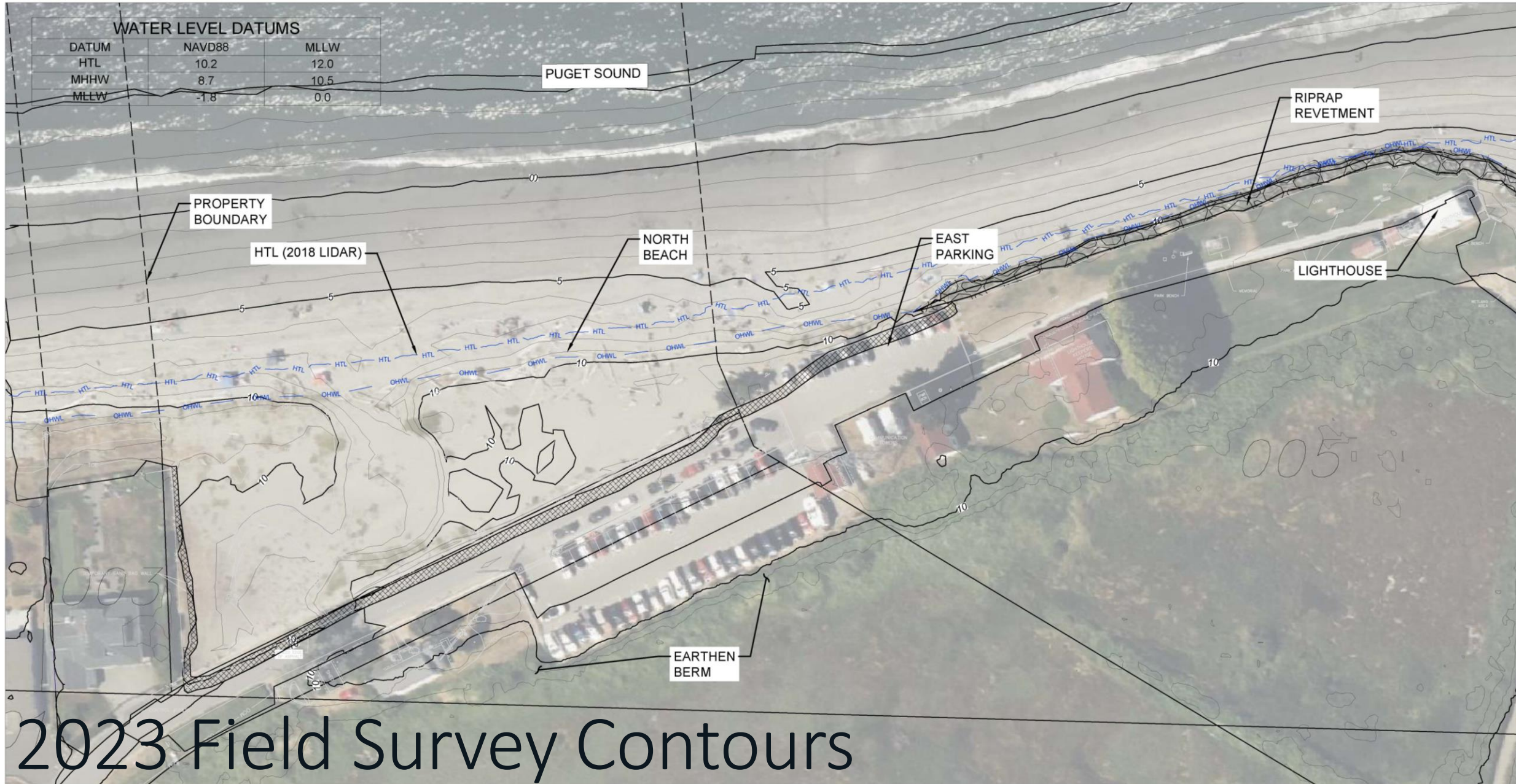
1. CONTOURS ARE 2018 LIDAR (USGS).
2. ELEVATIONS SHOWN ARE IN U.S. FEET, NAVD88 VERTICAL DATUM (GEOID 12B).
3. KTISAP COUNTY GIS DEPARTMENT PARCEL BOUNDARIES



0 30 60 Feet

WATER LEVEL DATUMS

DATUM	NAVD88	MLLW
HTL	10.2	12.0
MHHW	8.7	10.5
MLLW	-1.8	0.0



2023 Field Survey Contours

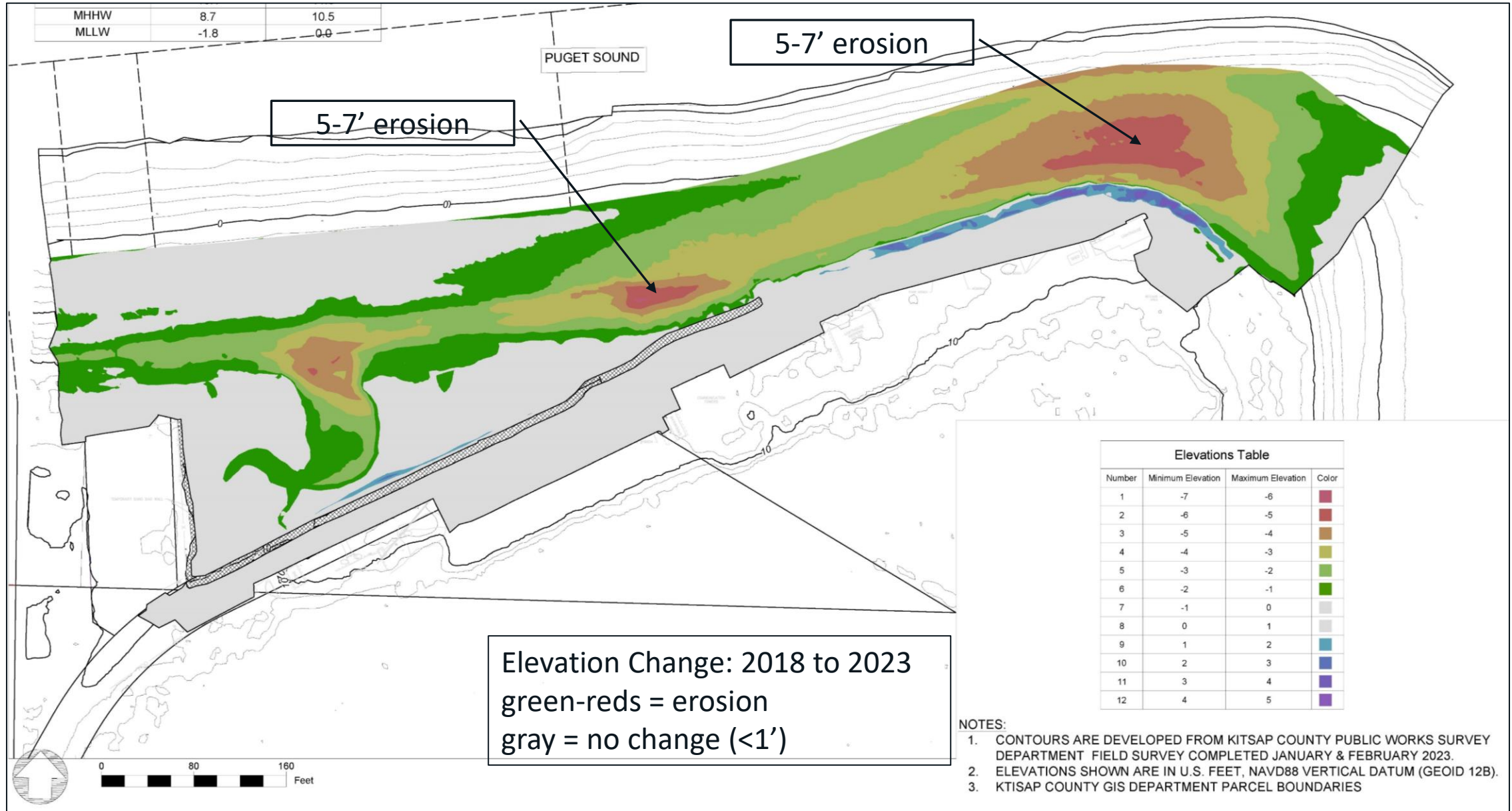
NOTES:

1. CONTOURS ARE DEVELOPED FROM KITSAP COUNTY PUBLIC WORKS SURVEY DEPARTMENT FIELD SURVEY COMPLETED JANUARY & FEBRUARY 2023.
2. ELEVATIONS SHOWN ARE IN U.S. FEET, NAVD88 VERTICAL DATUM (GEOID 12B).
3. KITSAP COUNTY GIS DEPARTMENT PARCEL BOUNDARIES



0 30 60 Feet

Elevation Change Map



Complete Project Goals & Objectives:

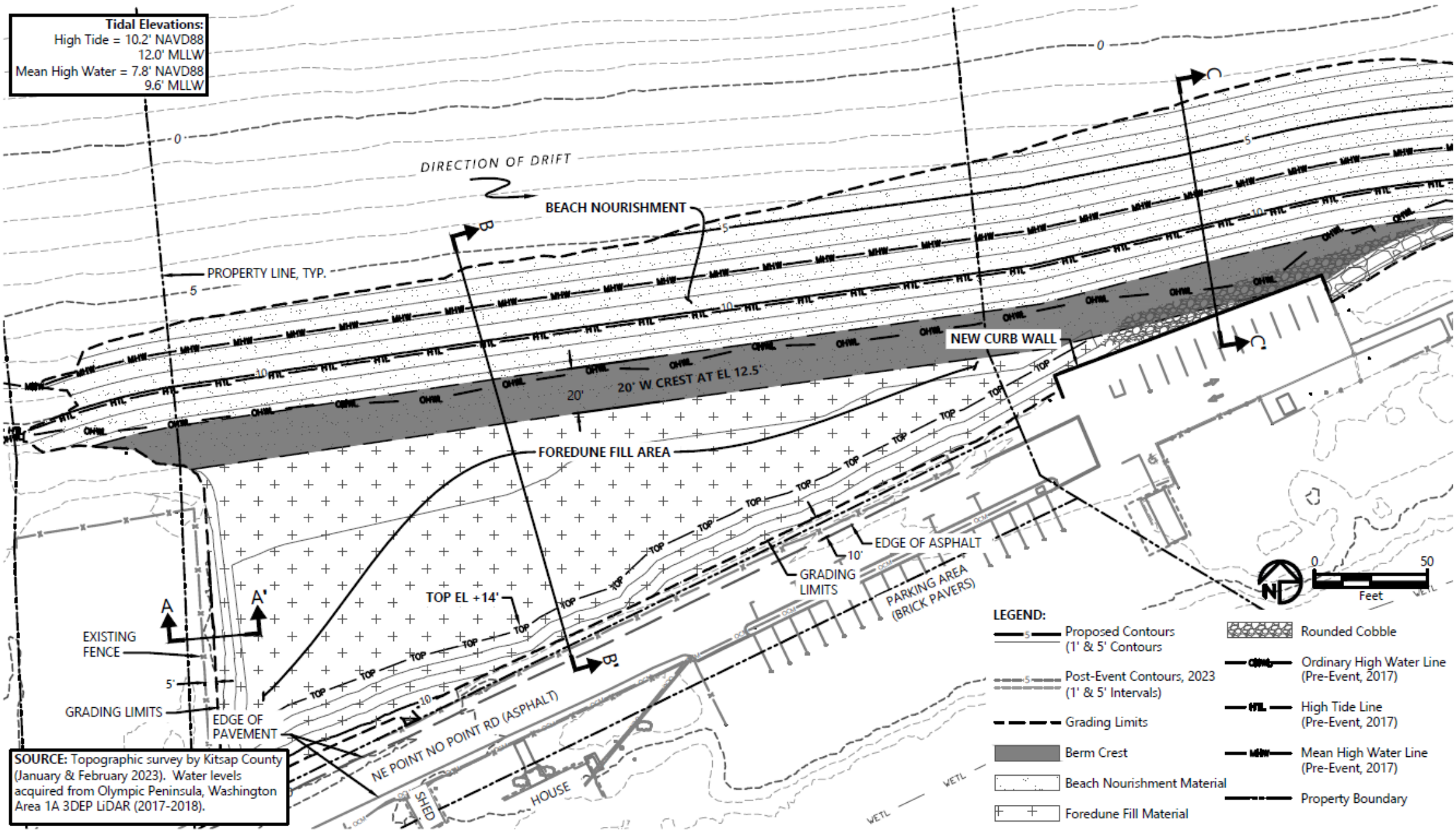
- Repair the eroded beach areas with beach nourishment material and sand from the temporary coarse sand-filled supersack wall so that the Park can re-open;
- Place subsurface layers of biodegradable coir mats in the beach nourishment placement area to slow erosion while native vegetation gets established;
- Place beach nourishment materials (medium sand) in the nearby uplands to create protective foredunes and prevent overtopping from the northern shoreline;
- Plant public areas between NE Point No Point Road and Admiralty Inlet with native vegetation; place rounded beach cobble waterward of the exposed parking area structural elements; and
- Align with planned restoration activities led by Mid Sound Fisheries Enhancement Group (MSFEG).
- Construction is anticipated to begin September 2023.

Project Areas

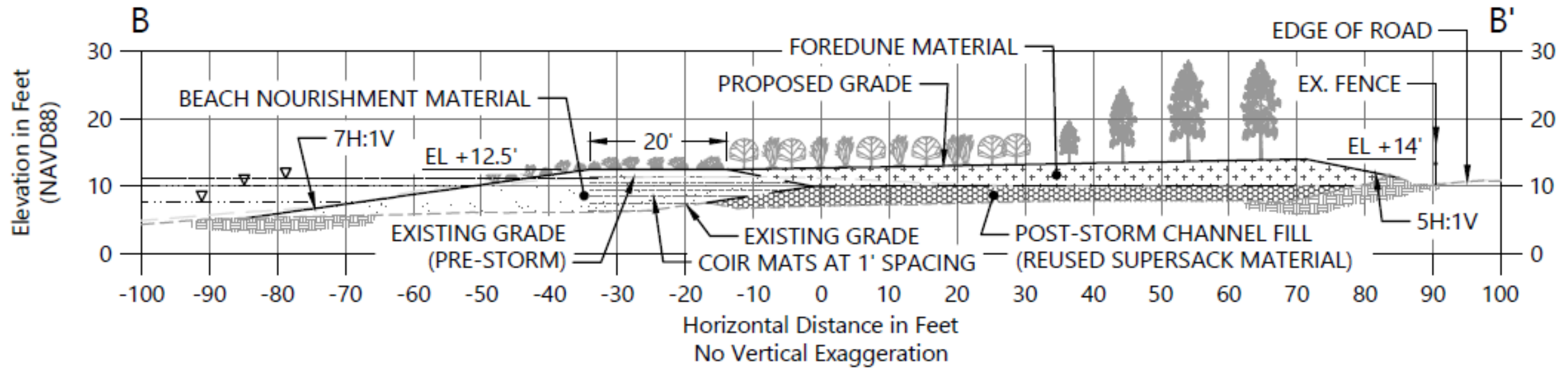
North beach
East parking area (curb)
Eastern shoreline



North Beach Proposed Repairs – Plan View



North Beach Repairs – Section Views



LEGEND:

--- Existing Grade (Post-Event, 2023)

--- Existing Grade (Pre-Event, 2017)

— Proposed Grade

--- Excavation Neatline

— Ordinary High Water Line

--- High Tide Line

--- Mean High Water Line

Beach Nourishment Material

Foredune Material

Rounded Cobble

Armor Rock

Filter Material

Post-Storm Channel Fill Material

Tidal Elevations:

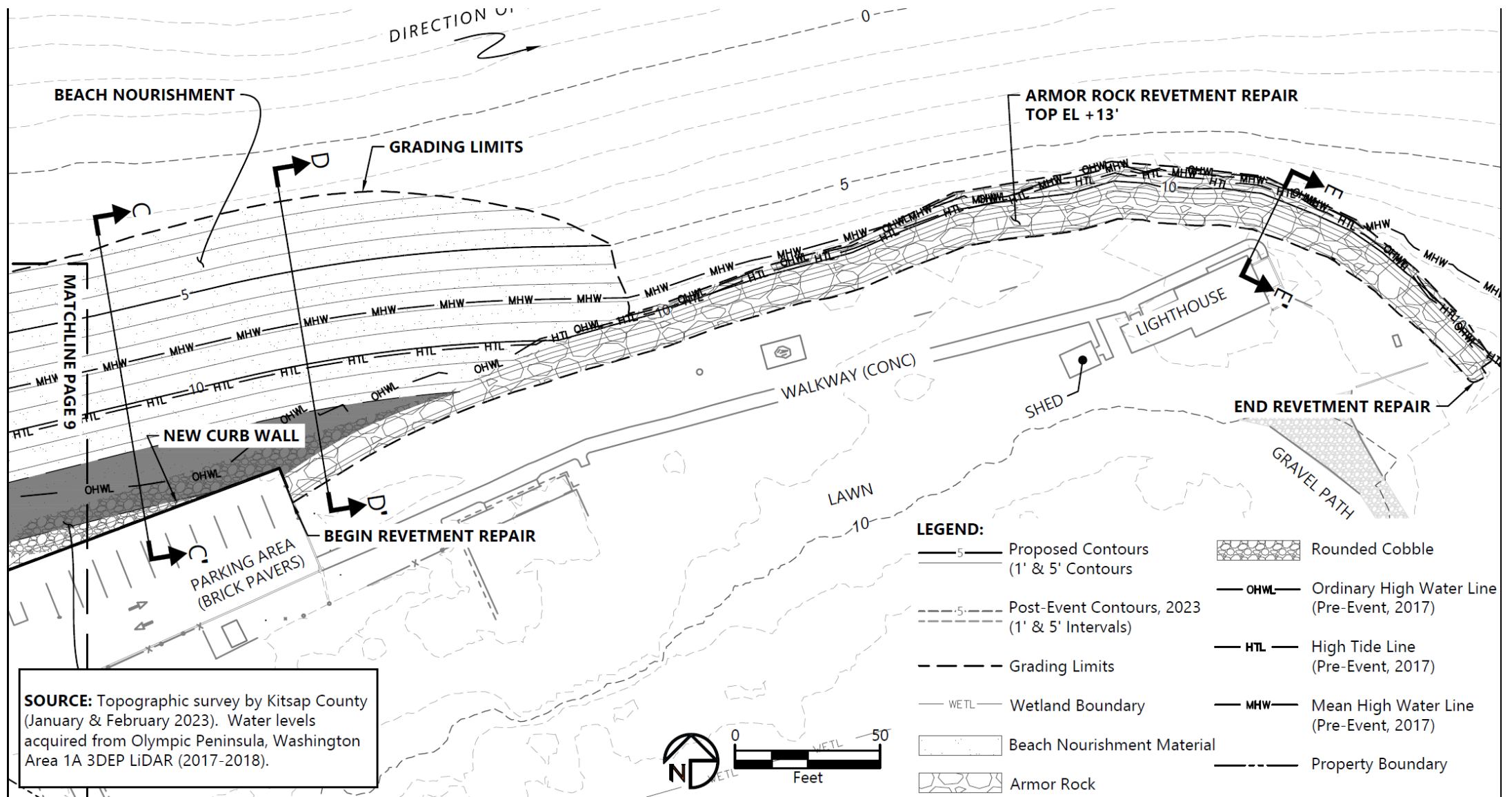
High Tide = 10.2' NAVD88

12.0' MLLW

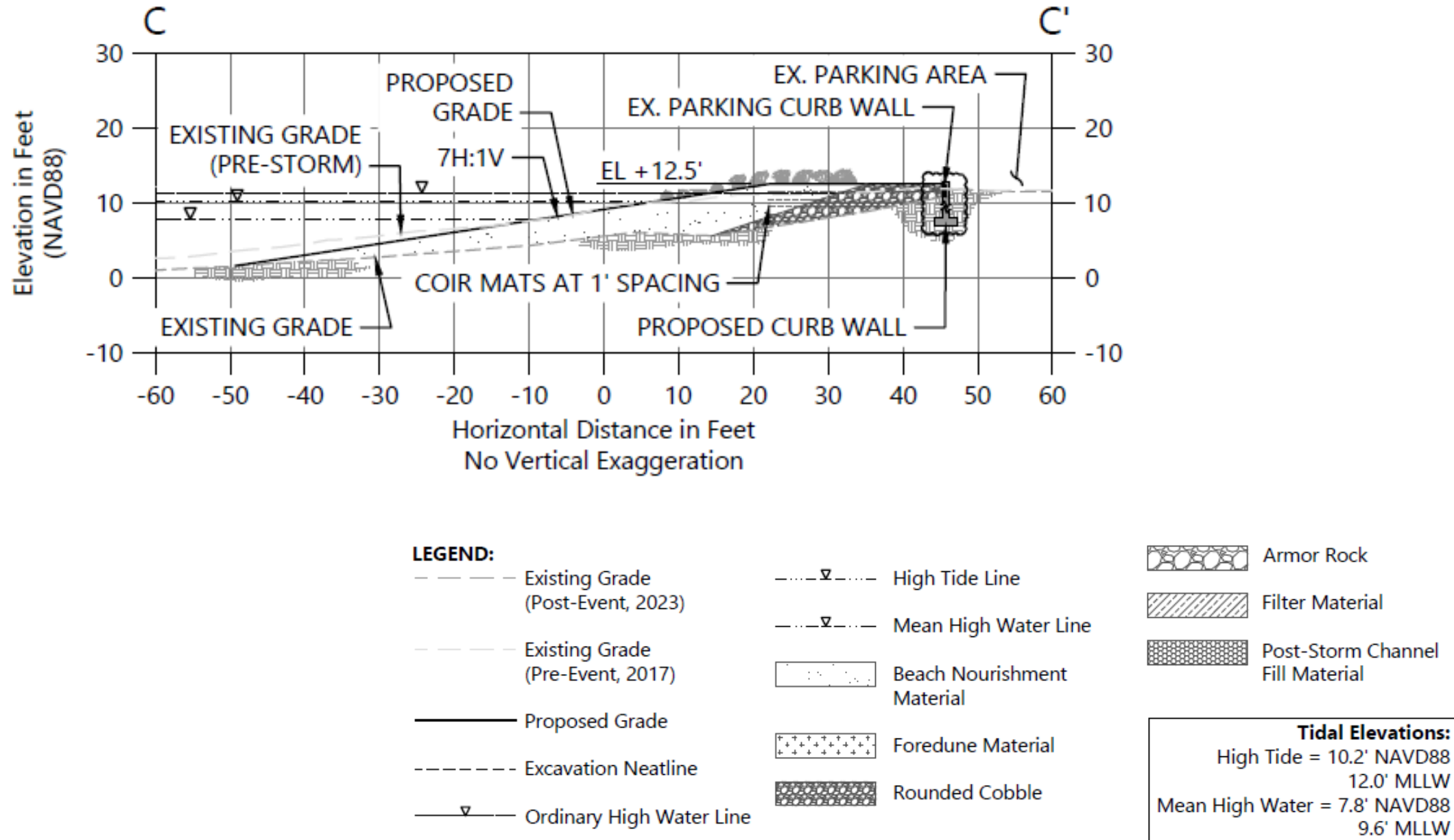
Mean High Water = 7.8' NAVD88

9.6' MLLW

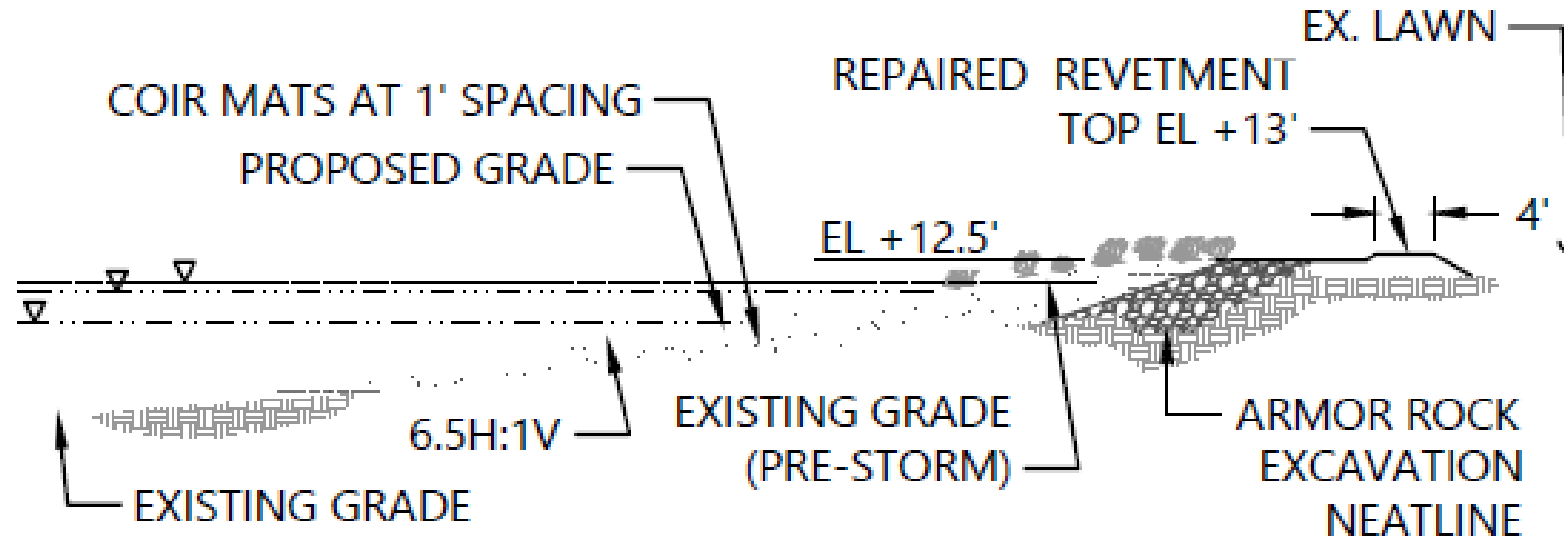
North Beach & Infrastructure Repairs



North Beach & Parking Repairs



North Beach & Revetment Repairs



LEGEND:

--- Existing Grade (Post-Event, 2023)

--- Existing Grade (Pre-Event, 2017)

— Proposed Grade

--- Excavation Neatline

— Ordinary High Water Line

--- High Tide Line

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Beach Nourishment Material

Foredune Material

Rounded Cobble

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Filter Material

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Tidal Elevations:

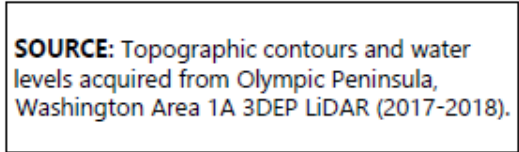
High Tide = 10.2' NAVD88









12.0' MLLW

Mean High Water = 7.8' NAVD88

9.6' MLLW

Tidal Elevations:
High Tide = 10.2' NAVD88
12.0' MLLW
Mean High Water = 7.8' NAVD88
9.6' MLLW



- LEGEND:**
- | | | | |
|---|---|---|--|
|  | Proposed Contours
(1' & 5' Contours) |  | Post-Event Contours, 2023
(1' & 5' Intervals) |
|  | Wetland Boundary |  | High Tide Line
(Pre-Event, 2017) |
|  | Ordinary High Water Line
(Pre-Event, 2017) |  | Mean High Water Line
(Pre-Event, 2017) |
| | |  | Property Boundary |
| | |  | Beach Overwash
Repair Areas
(Fill to 11' NAVD88) |

Repair Concept

Area	Elements	Design criteria
North Beach Area	<ul style="list-style-type: none"> • Beach nourishment with sand / wood / vegetation / fencing • Cobble/gravel toe protection at transition • Subsurface coir mats in the beach nourishment placement area to slow erosion while native vegetation gets established • Foredune with vegetation • Cutoff wall to replace parking curb • Setback and rebuild end of revetment in line with parking curb 	<ul style="list-style-type: none"> • Rebuild beach berm to pre-storm condition • Provide access to beach • Establish vegetation in line with existing eastern shoreline • Reduce maintenance cycle adding stabilization, particularly before vegetation can be established • Provide access to beach • Backstop against inundation behind beach berm • Minimal protection against wave erosion • Vegetation for stability and surface roughness. • Address end effects of revetment • Address scour/ undermining of parking curb
East Beach Area	<ul style="list-style-type: none"> • Beach nourishment with sand / wood • Limit access to one to 2 points and fill others 	<ul style="list-style-type: none"> • Elevation • Slope and footprint

