






Welcome to the

Civic Engagement Meeting for American Memorial Park

Repair Shoreline Barriers at Smiling Cove and Outer Cove

May 19, 2021

MEETING GROUND RULES

- Please Sign-in by writing your name and the agency (if applicable) you are representing in the Meeting Chat. 
- Write questions in the Meeting Chat as the meeting progresses, include your name and your question. Please hold your questions until the end of the presentation. The moderator will be tracking the meeting chat for support. 
- Please mute your line during the presentation and when not speaking. 

THIS MEETING IS BEING RECORDED



AMERICAN MEMORIAL PARK

CIVIC ENGAGEMENT

REPAIR SHORELINE BARRIERS AT SMILING COVE AND OUTER COVE





- Welcome and Agenda
- Project Team
- Purpose and Need
- Proposed Project Overview
- Project Design and Construction
- Resources Surveys
- Project Timeline
- Feedback, Questions, and Comments

Barbara Alberti, Superintendent
June Nakamura, A-E Project Manager

Andre Tenorio, A-E Project Engineer
June Nakamura, A-E Project Manager

Tom Deleon Guerrero, A-E Facilitator
Sherry Campagna, Q&A Moderator

Thank you for joining us!





National Park Service

Barbara Alberti, Superintendent

Theo Chargualaf, Facility Manager

Tahzay Jones, Regional Coastal Ecologist

Jonathan Gervais, Environmental Protection Specialist

Sarah Killinger, Section 106 Coordinator

Brian Heitman, PE, Project Manager

Allen Thomas, PE, Project Specialist

Connie Chitwood, AICP, CEP, PWS Compliance Specialist

A-E Design Team, Kaula AE LLC and GHD Inc.

June Nakamura, PE, Project Manager (Kaula AE, LLC)

Andre Tenorio, PE, Project Engineer (GHD Inc)

Sherry Campagna, Compliance Manager (Kaula AE, LLC)

John Gourley, Permit Specialist (Micronesia Environmental Services)



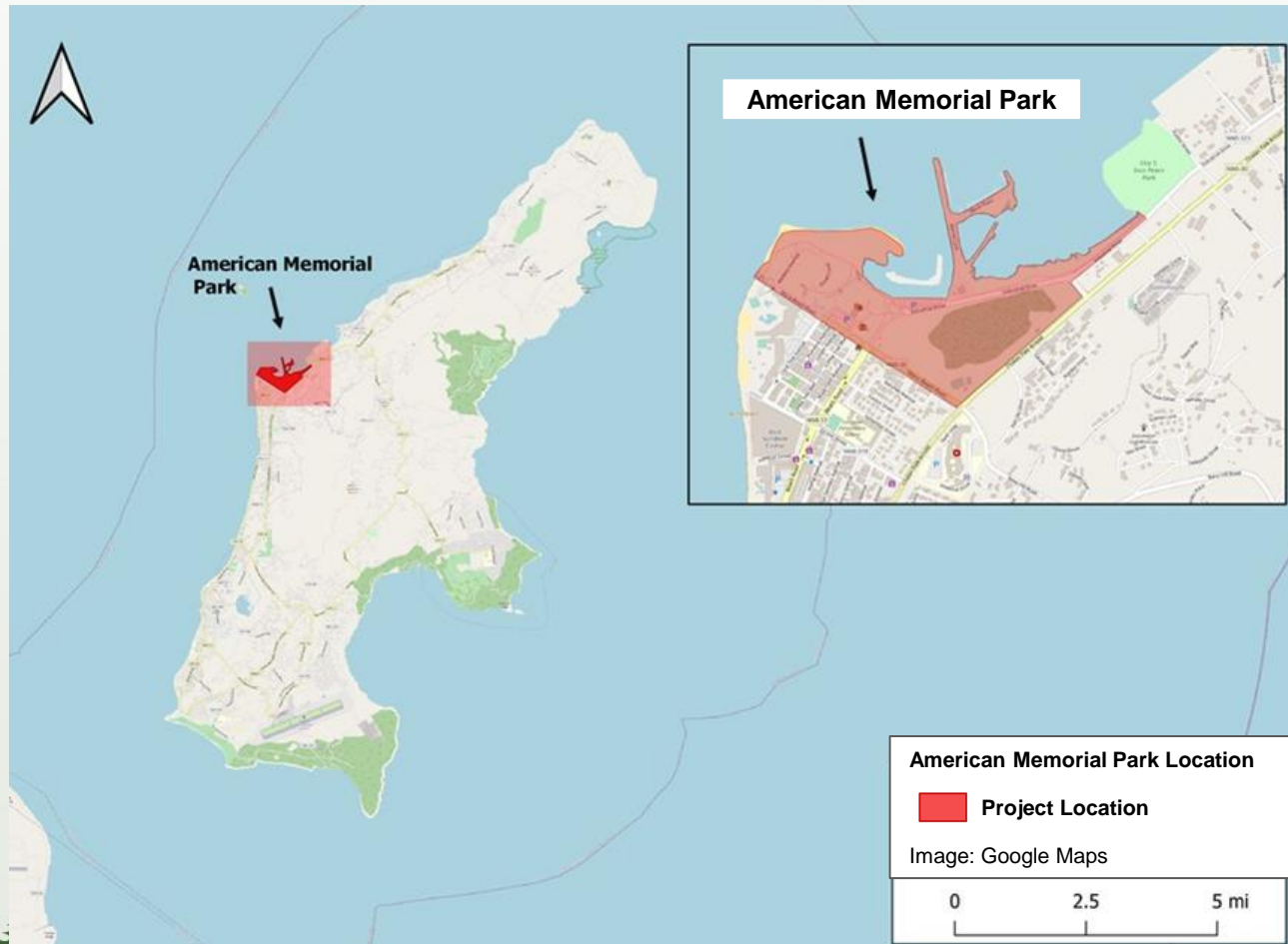


The purpose of this meeting is to provide the public with the opportunity to learn more about the proposed project, understand the potential construction impacts, and seek feedback for the park to address any questions or concerns.





American Memorial Park is located on the island of Saipan in the Commonwealth of the Northern Mariana Islands (CNMI). The park is 133 acres and honors the American and Marianas people who gave their lives during the Marianas Campaign of World War II.





The existing fabric formed concrete slope protection within Smiling Cove Marina was constructed roughly 30 years ago. Sizable gaps have developed underneath portions of the concrete mattress due to recent tropical storms and typhoons, which has also eroded the east causeway.





This project will repair two sections of deteriorated and damaged concrete shoreline barrier.

- along the west face of the west causeway within the entrance channel to Smiling Cove
- at the east end of the east causeway of the Outer Cove



PROPOSED PROJECT OVERVIEW



WEST CAUSEWAY CONDITION



EAST CAUSEWAY CONDITION

Both the East and West Causeway slopes are experiencing advanced and could pose a safety risk to the nearby infrastructure and roadways.

We are currently in the Design Development phase after conducting a Value-based Analysis workshop last September. Through the workshop, evaluation of various design options resulted in the rock revetment slope protection as the preferred design.

Required field surveys have been conducted and the reports are being completed for the archaeological, natural resources and design impacts to complete design and consultation.

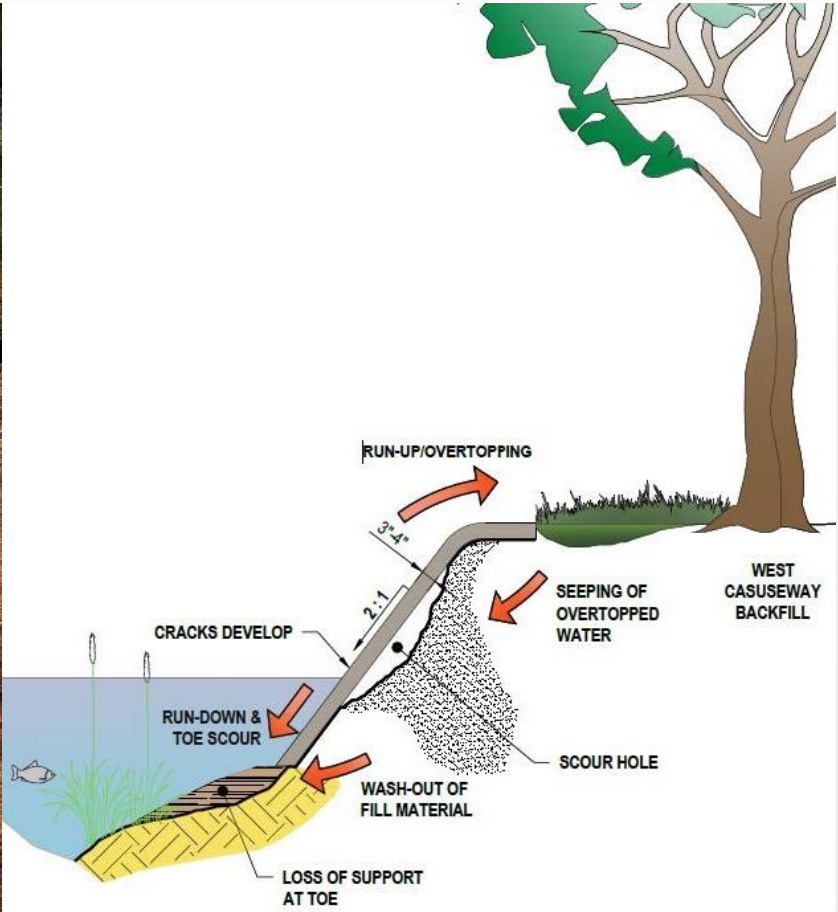


PROJECT LIMITS





EXAMPLE OF SEDIMENT WASHOUT DUE TO BOAT WAKE

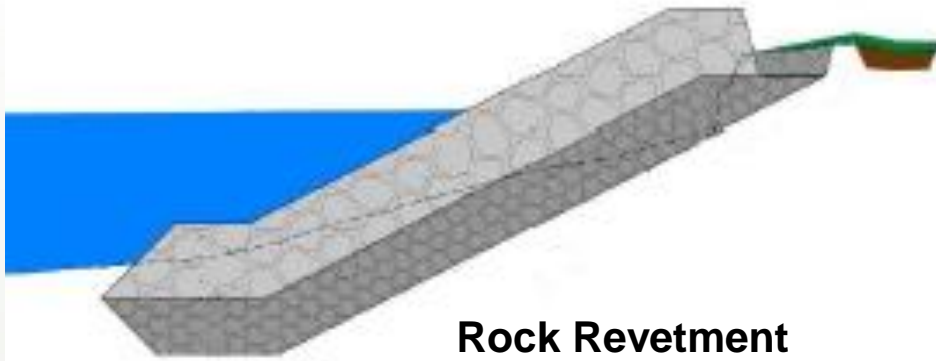


**EXISTING WEST CAUSEWAY
REVTMENT SCHEMATIC**

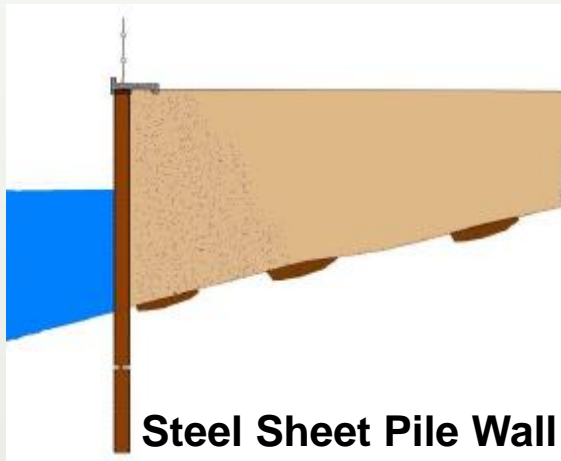


- **Damage** to the existing concrete mattress.
- **Failed, fragmented** sections of concrete mattress and exposed slope.
- **Voids** behind the concrete mattress.
- **Cracks** running longitudinally along the revetment.



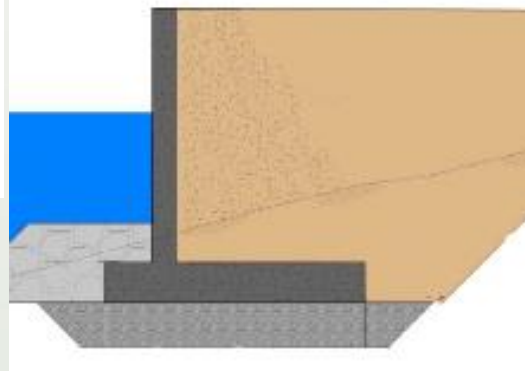


Rock Revetment



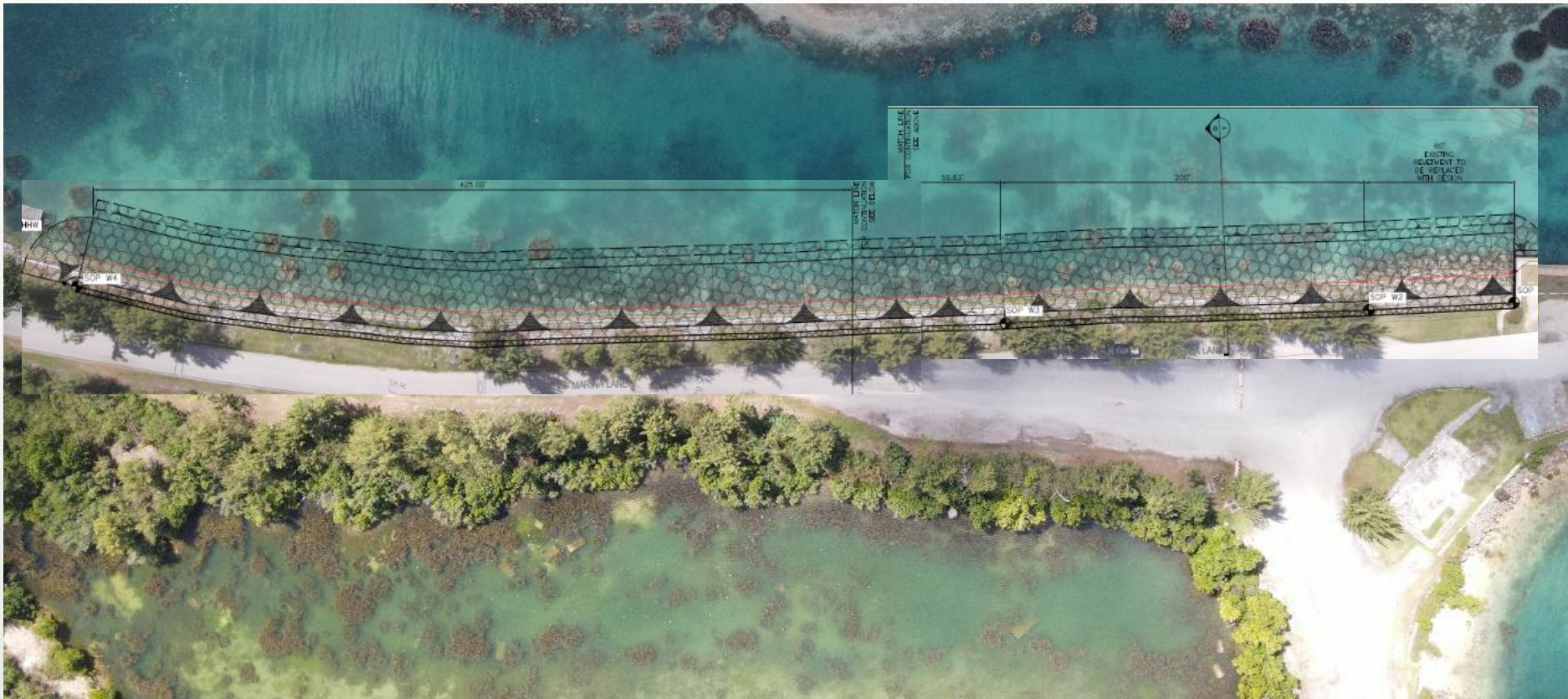
Steel Sheet Pile Wall

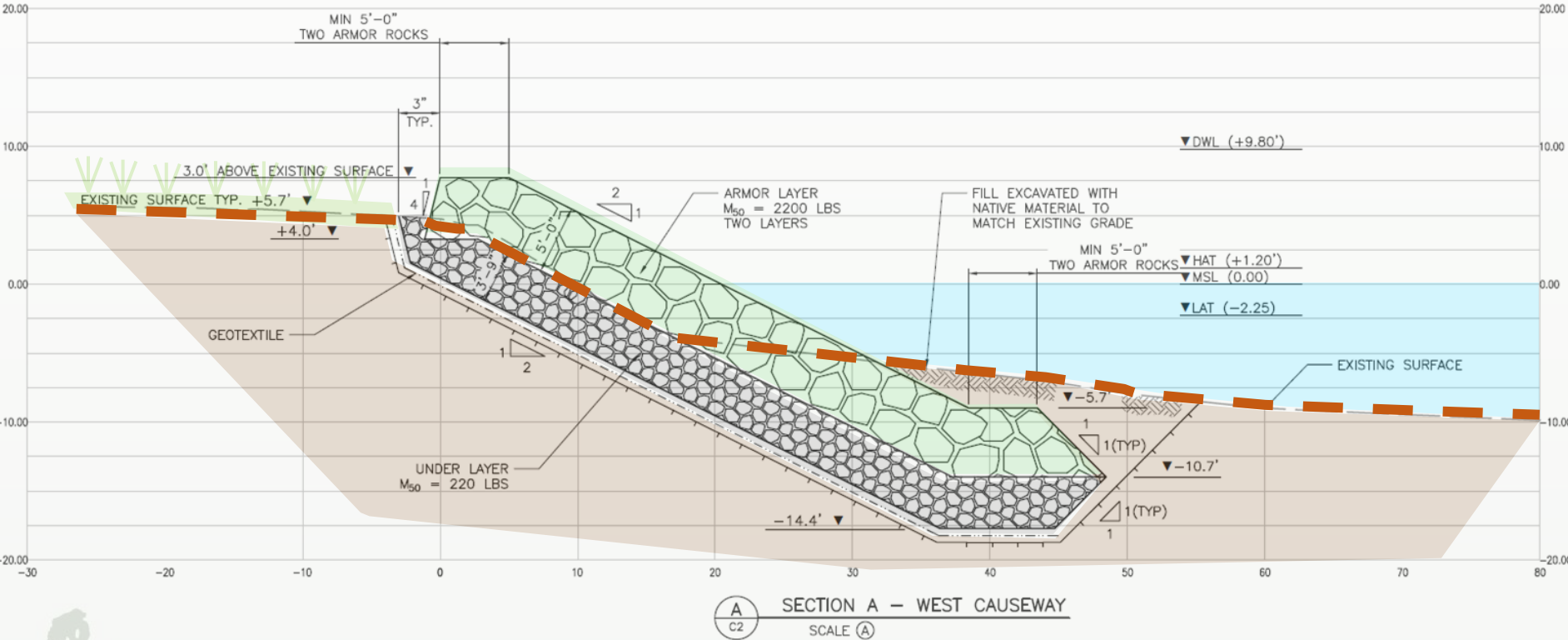
Concrete Retaining Wall



ADVANTAGES OF ROCK REVETMENT OPTION

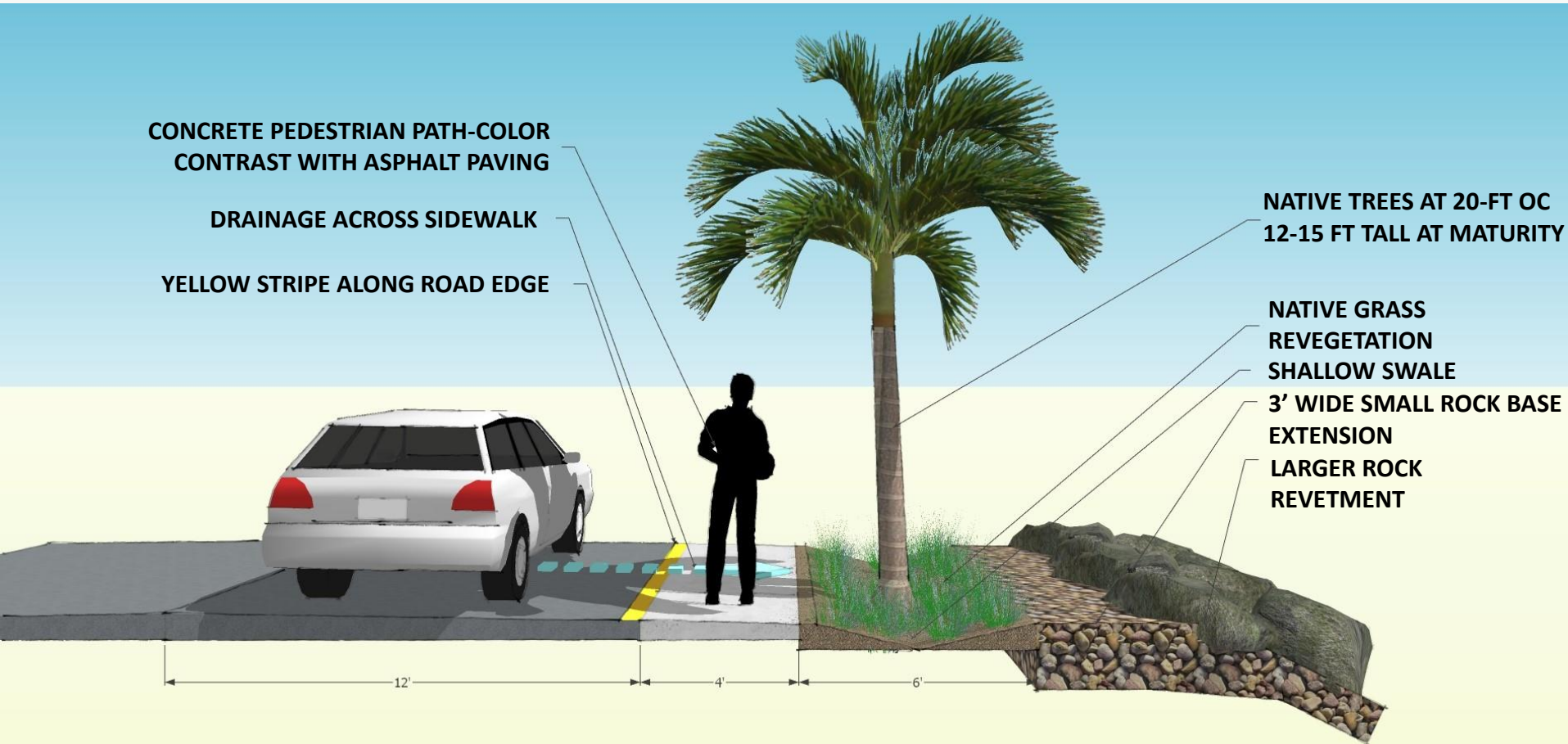
- **Marine Habitat.** The structure provides more suitable habitat for marine life.
- **Lowest Costs.** Lowest initial and future maintenance costs.
- **Wave Dissipation.** Better capability to dissipate the incoming wave energy due to its rough surface.
- **Resilient.** Adaptive and resilient to future upgrades in response to sea level rise.







Native plants will be used for landscaping at the top of the slope along a concrete sidewalk. Plant species will be coordinated with the CNMI Department of Lands and Natural Resources.



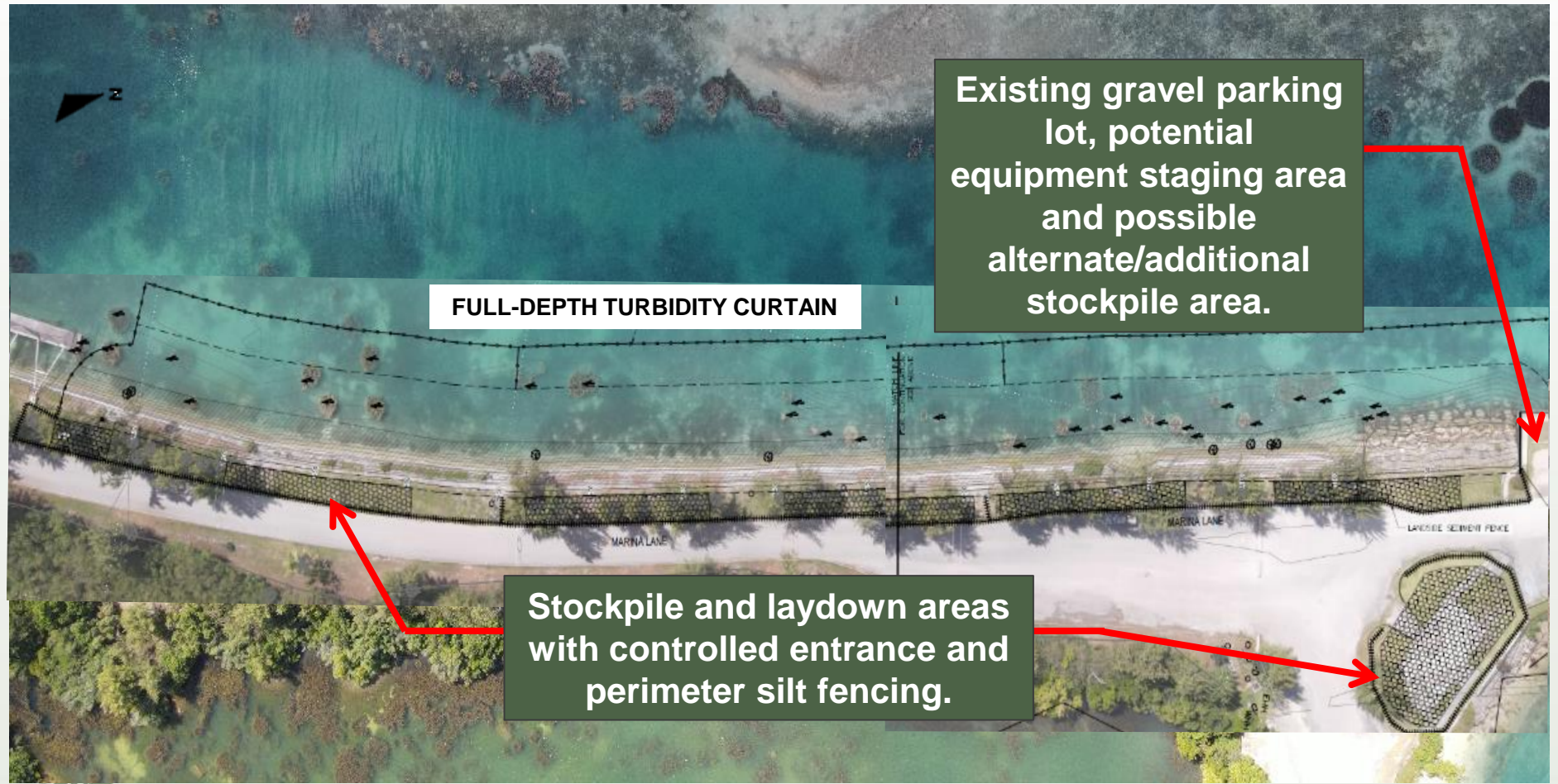


EXISTING



PROPOSED



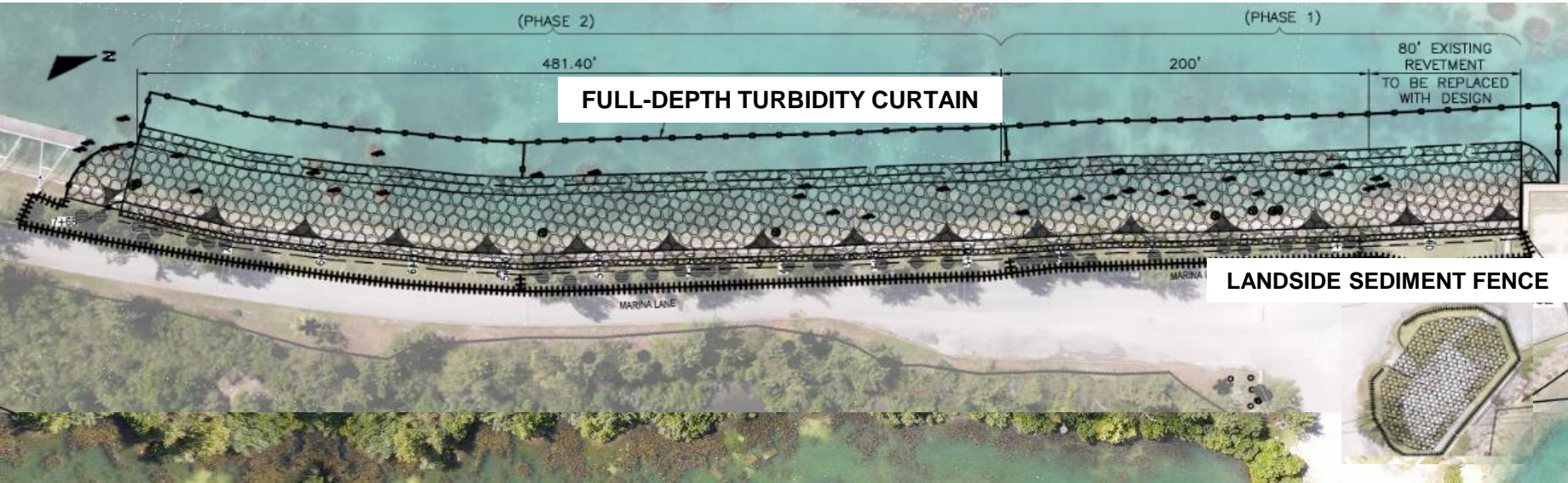


FULL-DEPTH TURBIDITY CURTAIN

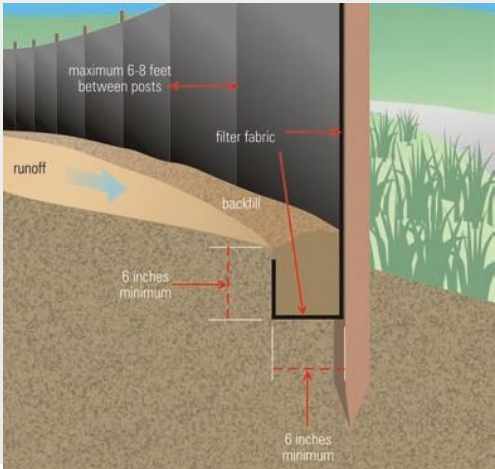
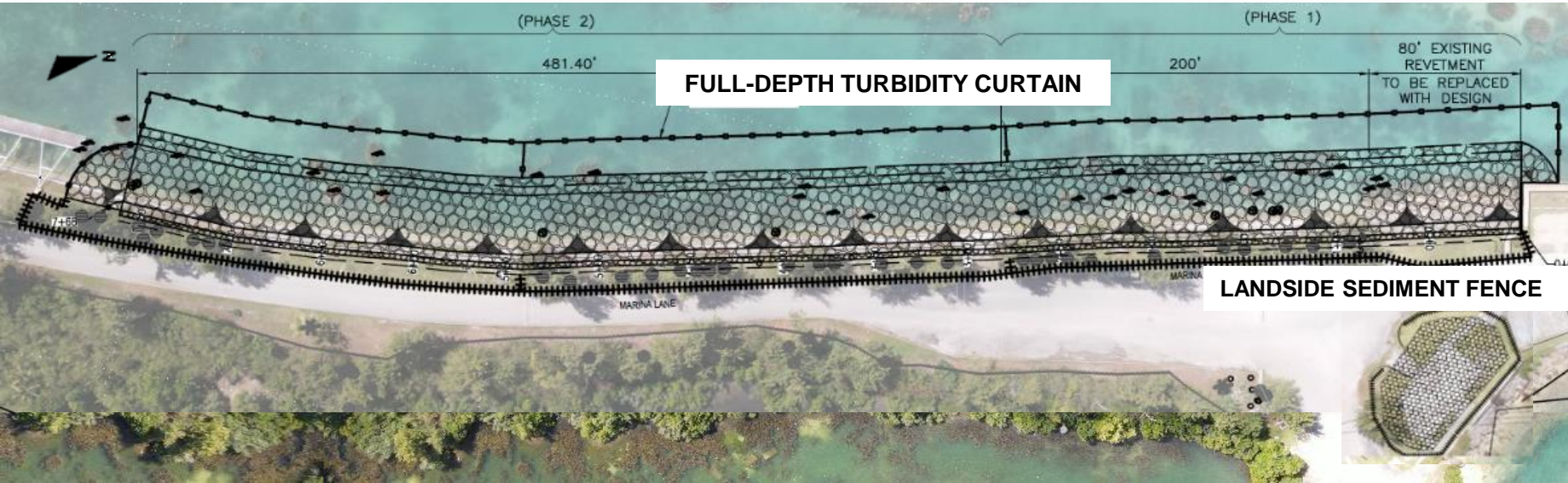
Existing gravel parking lot, potential equipment staging area and possible alternate/additional stockpile area.

Stockpile and laydown areas with controlled entrance and perimeter silt fencing.





FULL-DEPTH TURBIDITY CURTAIN

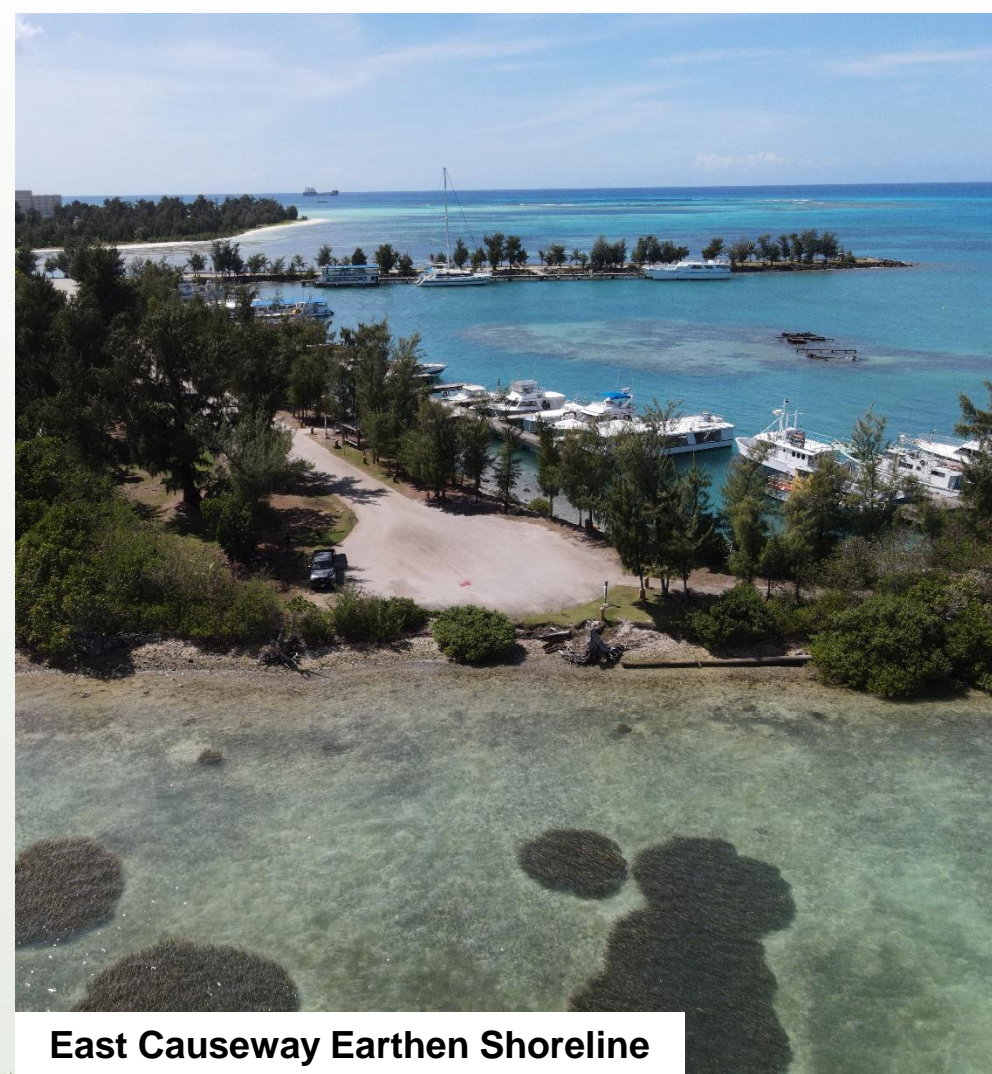


TEMPORARY SEDIMENT FENCE



PROJECT LIMITS

EAST CAUSEWAY – PROJECT LIMITS



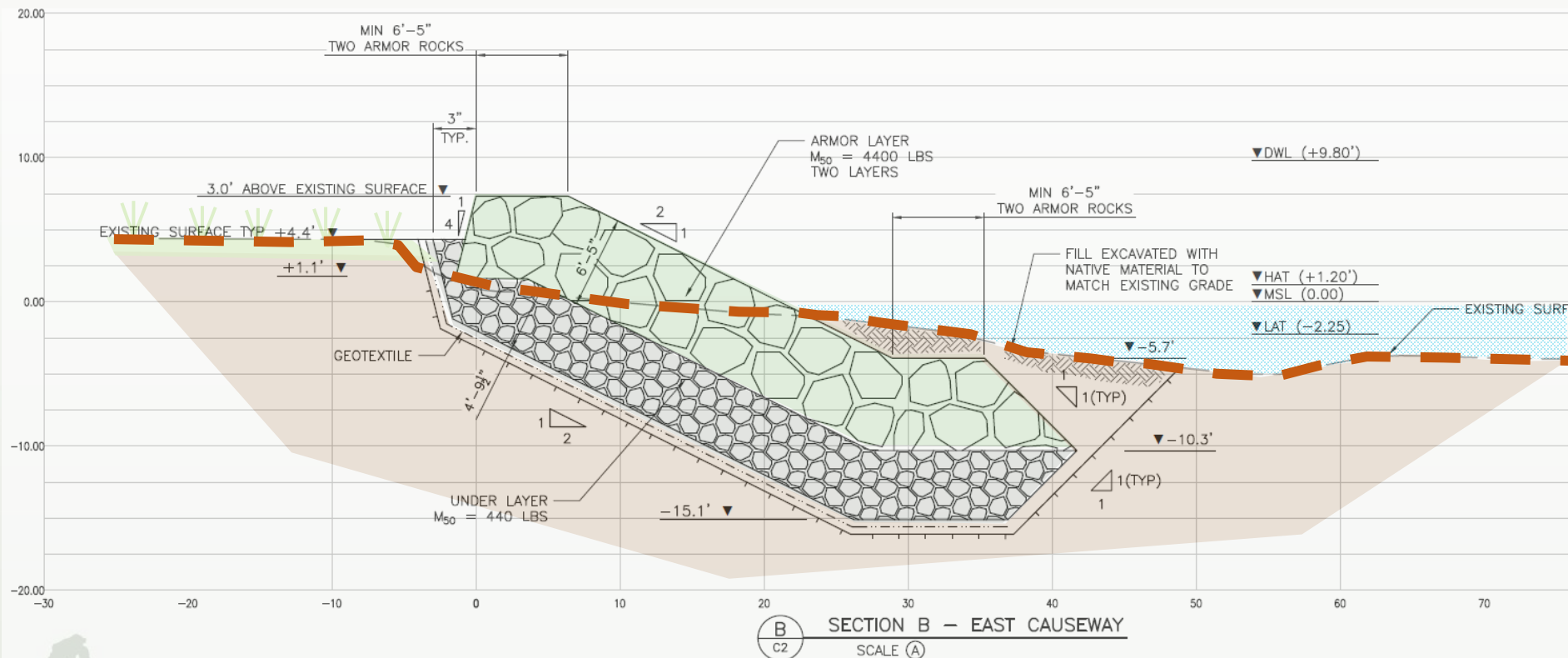
East Causeway Earthen Shoreline



East Causeway Eroded Section of Pavement

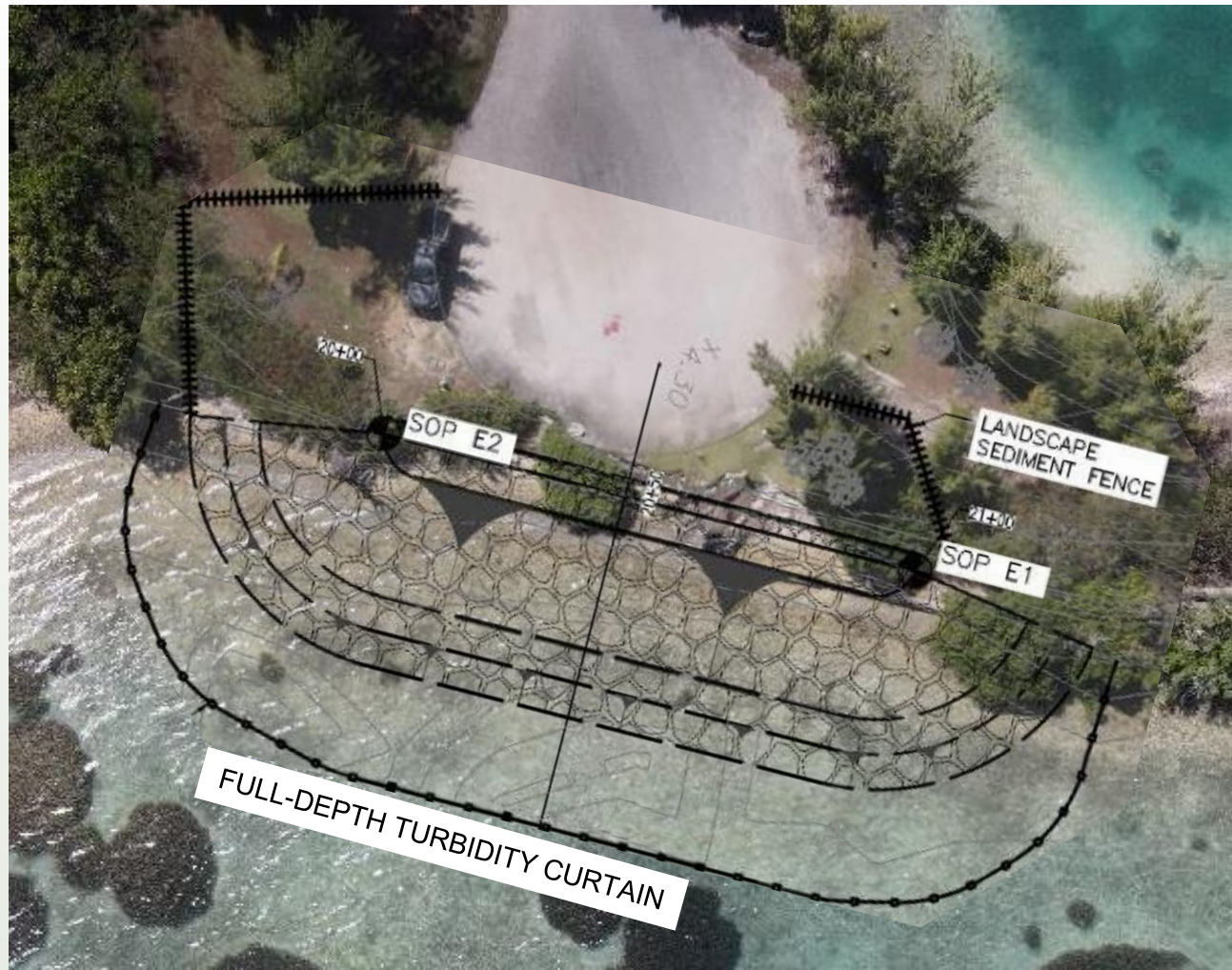


East Causeway Beach Scarp

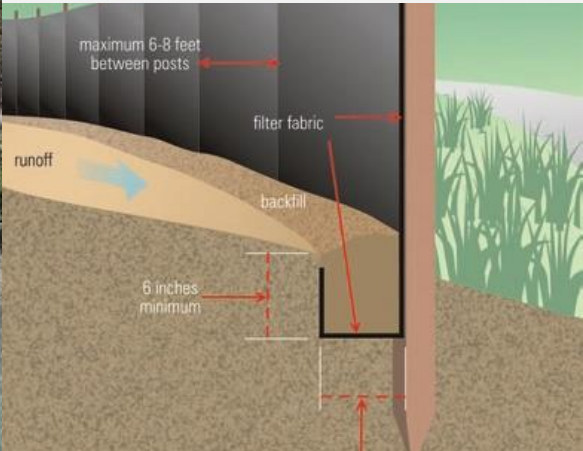








FULL-DEPTH TURBIDITY CURTAIN



LANDSCAPE SEDIMENT FENCE



- Traffic Control in and around the limits of the project.
- Pedestrian detour signage.
- Limited disruption to marina operations.
- Up to 10 parking stalls may be used at the end of the west causeway.
- Intermittent road closures depending on the construction activity.



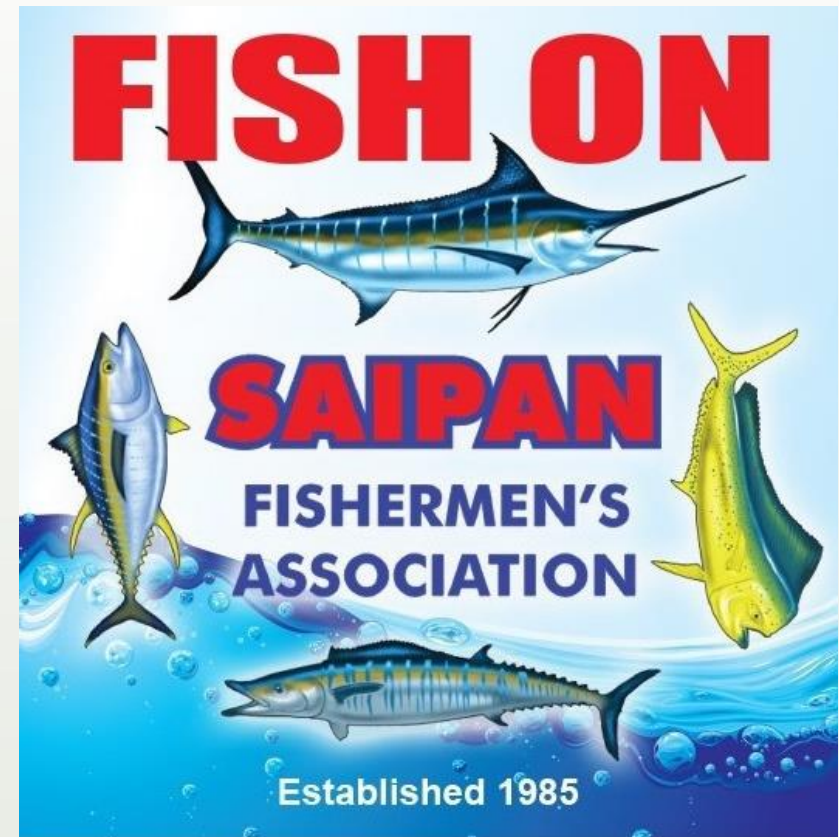


- **Landside equipment** needed for construction of the rock revetment system will likely include: Two medium-size excavators, Crane (where allowed), Dump trucks and flatbed trucks, Material handler, Backhoe (60 to 100 hp), a plate compactor or tamper rammer, and other miscellaneous equipment.
- **Waterside equipment** includes one small boat to install the turbidity curtains.
- **Working hours** will generally be from 7:00 am to 5:00 pm, Monday through Friday.
- **Noise Levels.** Demolition and removal of the existing concrete mat is anticipated to create the most noise for the project.



ANTICIPATED CONSTRUCTION SCHEDULE

- Six to twelve month period of construction
- Key coordination dates to consider are fishing derbies, including but not limited to the following:
 - Wahoo Fishing Derby, in March
 - Mahi-Mahi Fishing Derby in April
 - Saipan International Fishing Derby, two-day tournament in July.
 - Isla Mafute Derby, in August
 - DPS Boating Safety Derby



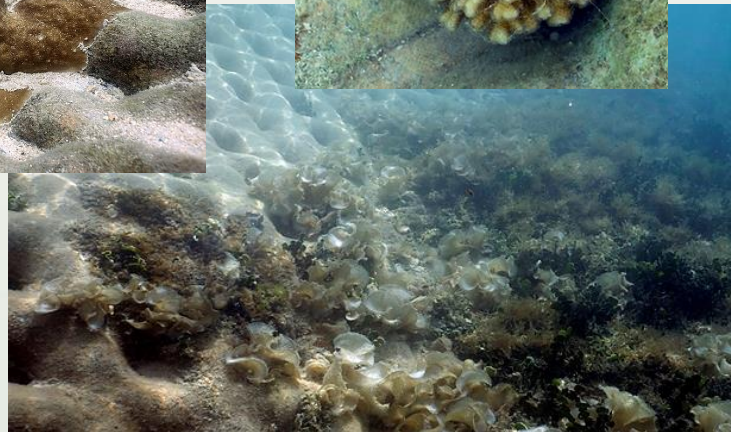


Coral:

- 3 species, 275 colonies on concrete mattress (West Causeway)
- 5 species, 1424 colonies on rock revetment (West Causeway)
- None threatened or endangered under Endangered Species Act
- no coral found within project area limits (East Causeway)

Seagrass:

- 1 species, 32 patches (West Causeway)
- 3 species (East Causeway)





Other Surveys

- **Archaeological Inventory:**
 - Historic glass bottles bases found during surface survey, analyzed and returned where found.
 - Otherwise, no historical or cultural resources unearthed during investigation
- **Desktop Survey of Threatened and Endangered Species in the area:**
 - Micronesian Megapode
 - Mariana Gray Swiftlet
 - Nightingale Reed Warbler
 - Green Sea Turtle
 - Mariana Common Moorhen
- **No Designated Critical Habitat** under Section 7 was found in the project area

- **Marine Biological Recommendations:**

- ❖ Transplant 8 massive *Porites* coral, 30 – 80 cm in diameter (W)
- ❖ Transplant colonies of *P. damicornis* coral, > 20 cm (W)
- ❖ Transplant patches of *E. acoroides* seagrass (E)



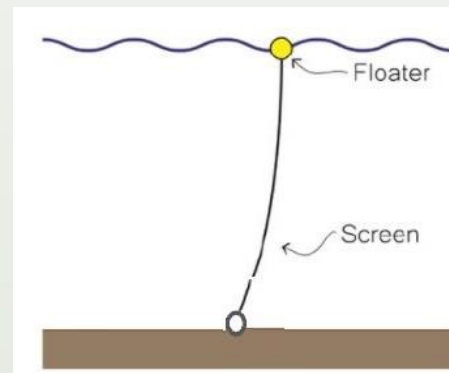
- **Threatened and Endangered Species:** Best management practices to be incorporated, including construction monitoring and reporting of protected species.

- **Cultural and Archaeological Mitigation Measures:**

- ❖ Monitoring

- **Construction Activities :**

- ❖ Full depth turbidity curtain



Full-depth Turbidity Screen





TENTATIVE TIMELINE

- Civic Engagement Period, 30 days:
May 17 – June 17, 2021
- Draft Compliance Documents /
Consultation: May 2021
- Construction Documents
completed: August 2021
- Permits obtained: August 2021
- Transplanting of Seagrass and
Coral completed by: February 2022
- Construction Contract Awarded:
March 2022





Please share your written comments no later than June 17, 2021.

Use the Planning, Environment, and Public Comment (PEPC) website
(preferred method) at:

https://parkplanning.nps.gov/amme_marina_project

Or mail or hand deliver comments to:

Barbara Alberti, Superintendent

American Memorial Park

Microbeach Road, Garapan

PO Box 5198 CHRB

Saipan, MP 96950

Attn: Smiling and Outer Cove Shoreline Stabilization Project

Questions? For more information contact

AMME_marina_project@nps.gov



