

San Diego County, CA Project Coastal Storm Damage Reduction Project Update

Applicants: USACE, City of Encinitas and City
of Solana Beach

Encinitas City Council
January 17, 2024





Encinitas Reach Map

DISCLAIMER:

This map should not be used for Engineering, Survey, or Site-Specific Analysis.

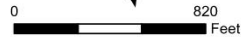
Every reasonable effort has been made to assure the accuracy of the data provided; nevertheless, some information may not be accurate. The City of Encinitas assumes no liability or responsibility arising from the use of or reliance upon this information.

- Map Coordinates: Stateplane NAD83 Feet, CA Zone 6

- Parcel lines are not survey accurate, and some parcels can be positionally off up to +/- 40 feet

- Photo flight dates: July 2009. 4 inch pixel resolution. Digital true color.

- Orthophoto and Topo positional accuracy meet the precision adequate to support National Map Accuracy Standards for 1" = 100' mapping.



1 inch = 483 feet



Legend

- Fill Reaches
- Staging Areas
- Public APN
- Private APN
- MHTL
- State Park Boundaries

Fill Reach



Solana Beach Full Reach Map

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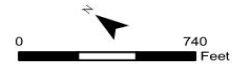
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1 inch = 733 feet

CURRENT PROJECT SCHEDULE





PIPELINE LANDING (1ST PHASE OF MOBILIZATION)

Dredge pipeline
on the beach
prior to
construction phase



PUBLIC SAFETY CLOSURE

CLOSURE ESTIMATED UNTIL END OF MAY 2024

SUBMERGED PIPELINE



U.S. ARMY



**US Army Corps
of Engineers.**
Los Angeles District



We appreciate your cooperation while we work to restore the beach!

Contact 911 in case of an emergency

City of Encinitas Marine Safety On Call Phone Line: (760) 859-0455

US Army Corps of Engineers (USACE): (213) 452-3920

**For more project
information please use
the attached link:**



Sand Placement and Area Closures

Encinitas



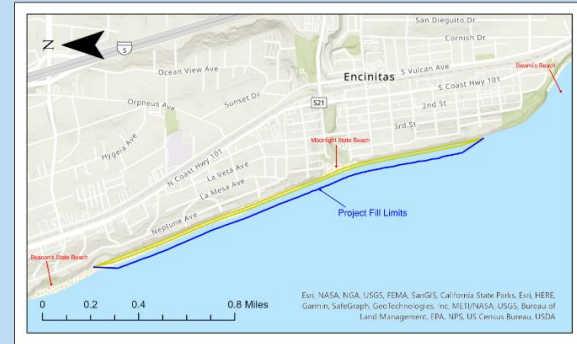
US Army Corps of Engineers
Los Angeles District



The U.S. Army Corps of Engineers is working closely with the Cities of Encinitas and Solana Beach in a joint effort to reduce bluff and beach erosion along this stretch of coast.

Over 340,000 cubic yards of sand will be dredged from a borrow area approximately 3,500 feet offshore of the San Dieguito Lagoon, then pumped ashore through a submerged pipeline extending onto the beach near D street. The sand will then be pumped along the beach and shaped into a berm by earthmoving equipment.

During construction, beach access will be restricted to protect public safety. In addition, a portion of Moonlight Beach will be closed for project staging.



Encinitas Nourishment Footprint

For more project information please use the attached link:



Project Contacts: Contact 911 in case of an emergency

US Army Corps of Engineers (USACE) Contacts:

Nathan Miller, (360) 899-8223;
Nathan.c.miller@usace.army.mil

Dan Heyenbruch, (858) 242-2834;
Daniel.b.Heyenbruch@usace.army.mil

City of Encinitas Contacts:

Todd Mierau, Coastal Zone Program Administrator
(760) 633-2693; tmierau@encinitasca.gov

Marine Safety On Call Phone Line
(760) 859-0455

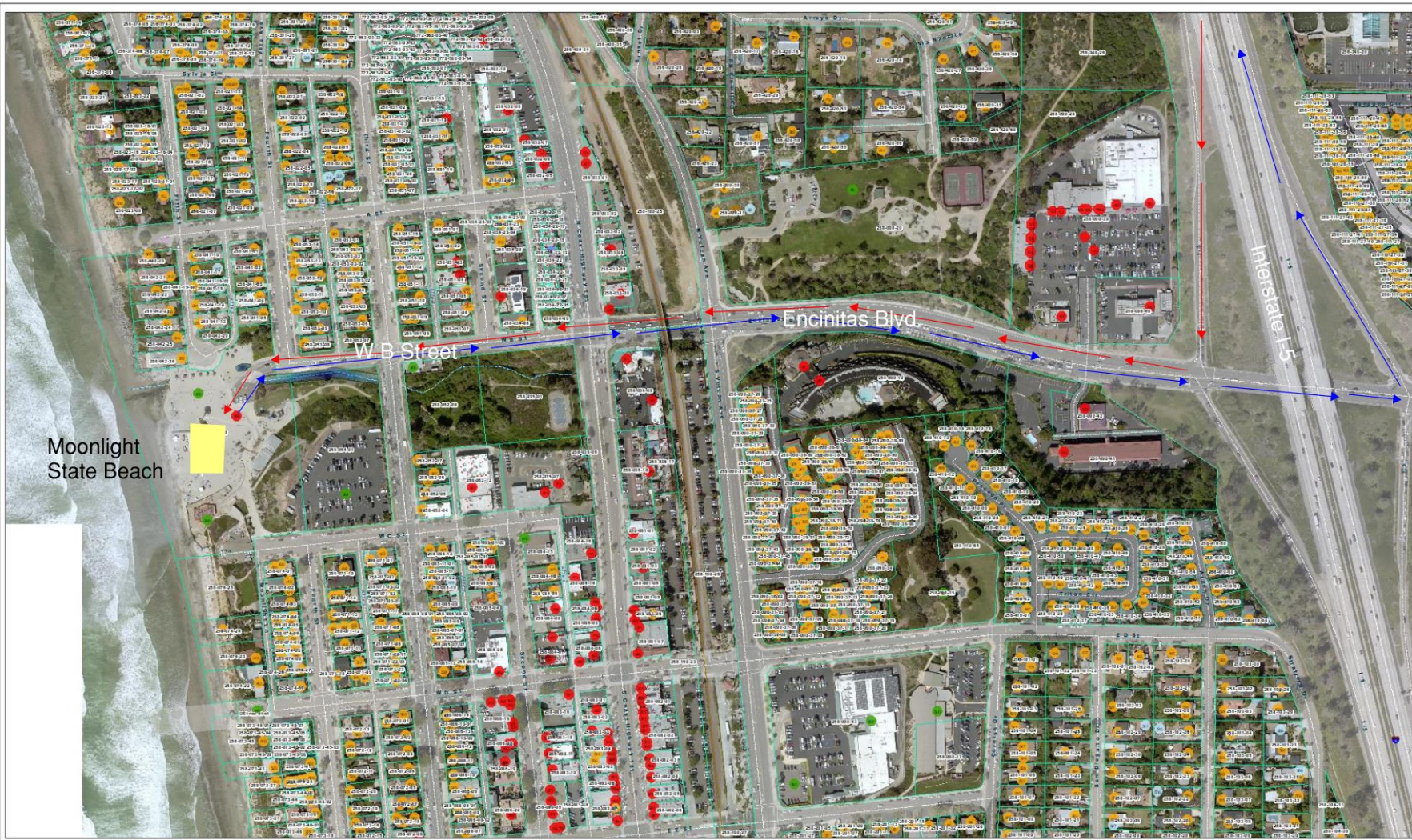




Borrow Site – SO5

- SO-5 Volume Available (approx.): 8 MCY
- Total Authorized Project Volume Needed:
 - Encinitas 3-4 MCY
 - Solana Beach 2-3 MCY
- Borrow Site Monitoring
 - Seabed Morphology
 - Benthic Habitat Quality
- Schedule and Frequency
 - Bathymetric survey performed in Fall 2022 only
 - Water and benthic quality monitoring performed in Fall 2022 and Spring 2023





Moonlight State Beach

WB Street

Encinitas Blvd

Interstate 15

Encinitas Staging Area



Encinitas Map

→ Ingress
→ Egress

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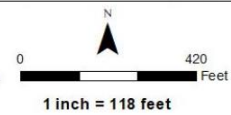
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Encinitas Beach
Construction Sequence

Dates:
March 2024 - Early April 2024

Equipment:
Survey Vessel: N/A
Vertical: N/A
Horizontal: N/A
Datum:
Horizontal: NAD83 CA VI
Vertical: MLLW

- | | | | |
|---|----------------------|---|---------------------------|
|  | Construction Fencing |  | Construction Fencing |
|  | Security / Look-Outs |  | Crew Break Room / Storage |
|  | Dredge Pipe |  | Subline Corridor |

Dredge Bayport





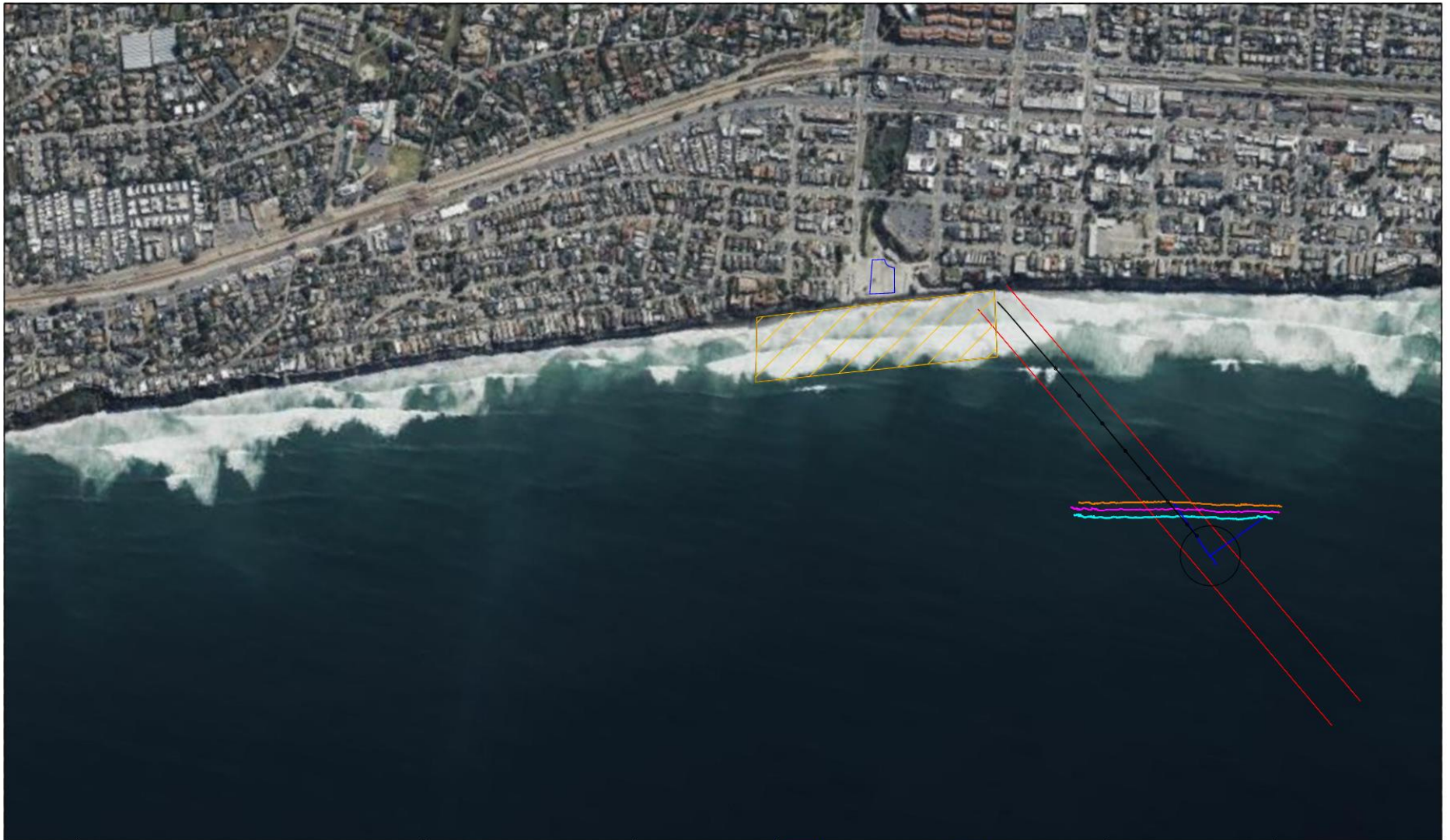
Access Can be Provided upon Request








<p>Sheet 2 of 8</p>	<p>Encinitas Beach Construction Sequence</p>	<p>Dates: March 2024 - Early April 2024</p>	<p>Equipment: Survey Vessel: N/A Vertical: N/A Horizontal: N/A Datum: Horizontal: NAD83 CA VI Vertical: MLLW</p>	<p>Construction Fencing Security / Look-Outs Dredge Pipe</p>	<p>Construction Fencing Crew Break Room / Storage Subline Corridor</p>	<p>Dredge Bayport</p>	
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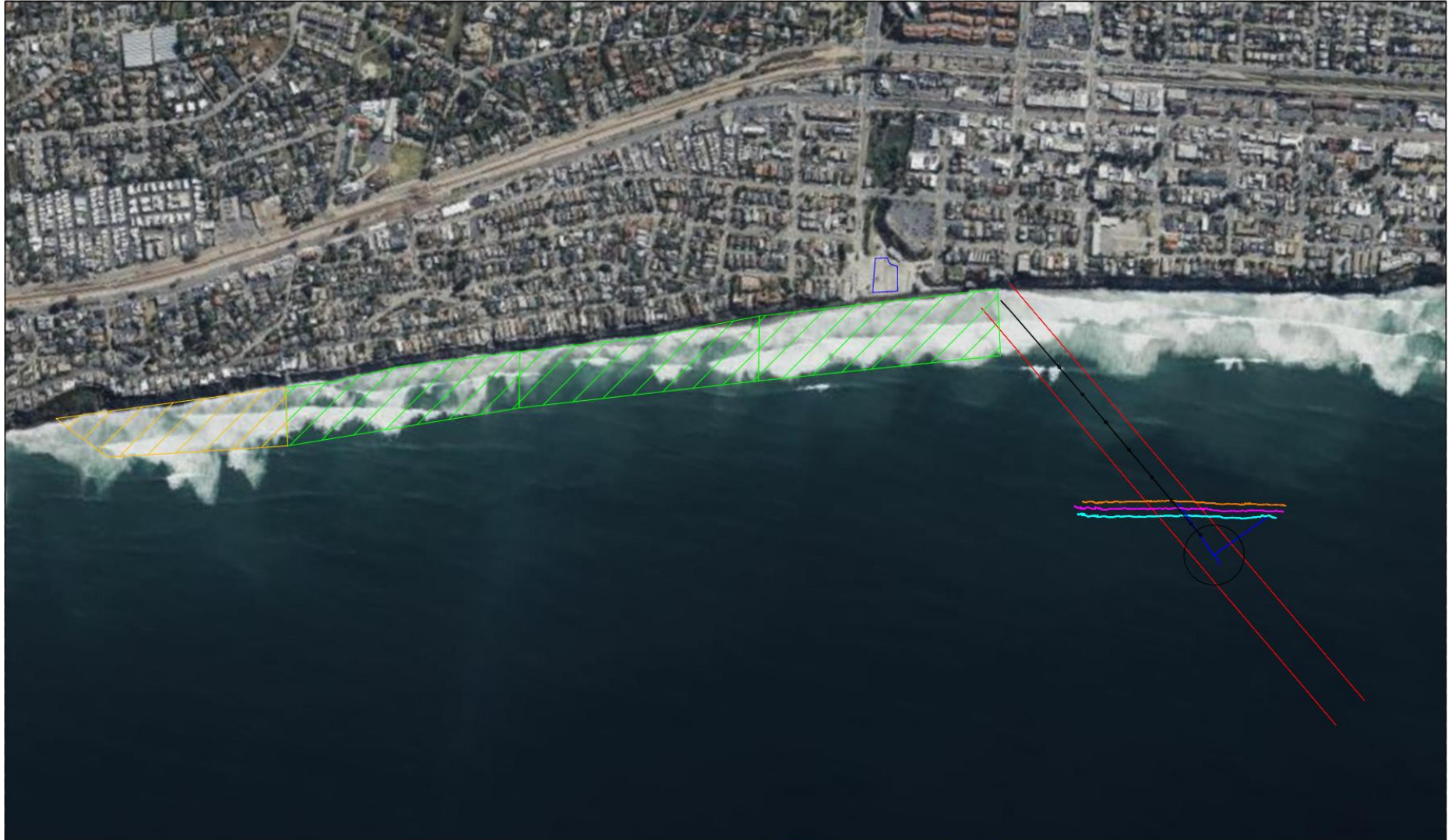









EXAMPLE: CONSTRUCTION PHASE












<p>Sheet 3 of 8</p>	<p>Encinitas Beach Construction Sequence</p>	<p>Dates: March 2024 - Early April 2024</p>	<p>Equipment: Survey Vessel: N/A Vertical: N/A Horizontal: N/A Datum: Horizontal: NAD83 CA VI Vertical: MLLW</p>	<p> Construction Fencing  Security / Look-Outs  Dredge Pipe</p>	<p> Construction Fencing  Crew Break Room / Storage  Subline Corridor</p>	<p>Dredge Bayport</p>	
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PUBLIC SAFETY PROGRAM



Public signs to be posted at multiple locations



**Equipment moving along beach
will have spotters at all times**



**Temporary construction
fencing around dredge
discharge area**



**No public access in active
sand placement areas**

OUTREACH & COMMUNICATIONS

- Public Outreach & Communications
 - Public signs to be posted by City, USACE & Contractor
 - Beach access limitations during active construction phase
 - Temporary beach closures in work zone to protect public safety
 - Project information & construction schedule communicated:
 - ✓ @ Council Meetings
 - ✓ Press Releases & E-Blasts, QR Code
 - ✓ Dedicated Project Website
 - ✓ Social Media posts
 - ✓ Public Noticing onsite

QUESTIONS?



Todd Mierau

Coastal Zone Program Administrator

Development Services Department

505 South Vulcan Ave, Encinitas, CA 92024

760-633-2693 | tmierau@encinitasca.gov

www.encinitasca.gov